

## ACCOUNTING (ACCT)

- 203. Fundamentals of Accounting I 3 Hours**  
A study of accounting principles and procedures, including original data collection, transaction analysis, journalizing, posting, summarizing and preparing financial statements.
- 204. Fundamentals of Accounting II 3 Hours**  
Continued study of accounting principles and procedures as related to financial statements, with emphasis placed on the analysis and interpretation of these statements. Included is an introduction to managerial accounting, including budgets, long-range capital planning and cost systems.  
**Prerequisite:** ACCT 203.
- 303. Intermediate Accounting I 3 Hours**  
A review of financial statements followed by a detailed study of the theory and accounting principles. Included in the course is a study of cash, temporary investments, receivables, inventories, plant assets and current liabilities.  
**Prerequisite:** ACCT 204.
- 304. Intermediate Accounting II 3 Hours**  
A continuation of intermediate accounting, including long-term investments, bonds, taxes, leases, capital formation, retained earnings and statement of cash flows.  
**Prerequisite:** ACCT 303.
- 310. Advanced Financial Accounting 3 Hours**  
A study of accounting principles as applied to organizational structures; mergers and consolidations, partnerships and governmental units (fund accounting). **Prerequisite:** ACCT 304.
- 311. Managerial Accounting 3 Hours**  
Study of the preparation, analysis and use of routine and special reports underlying management decisions. Includes financial statement analysis, measurements of risk and return, budgetary control and cost analysis. **Prerequisite:** ACCT 204.
- 312. Federal Income Taxation 3 Hours**  
A study of federal tax accounting for individuals. Includes study of effective decisions on timing of income, expenses and capital investment. The structure of the Internal Revenue Code, regulations and court decisions in the framework of the evaluation of the federal tax

system are examined. **Prerequisite:** ACCT 204.

- 327. Accounting Information Systems 3 Hours**  
A study of fundamental accounting systems. Emphasis is placed on document flow and transaction cycles, internal controls, and the analysis, design and development of accounting systems to support management decision-making processes. Theory will be combined with experience using a commercial software package.  
**Prerequisites:** ACCT 204, CAPP 230.
- 412. Auditing 3 Hours**  
A study of the principles and procedures underlying the verification of financial statements as made by independent public accountants. Emphasis is placed on professional ethics. AICPA pronouncements and preparation for the uniform CPA examination.  
**Prerequisite:** ACCT 304.
- 413. Independent Study in Accounting 1-3 Hours**  
An opportunity for independent study or research or completion of a special project in accounting.
- 427. Internship in Accounting 1-4 Hours**  
Field experience in a selected area of interest, including on-the-job exposure and completion of a significant project.

## ART NON-TRADITIONAL PROGRAMS (AART)

- 111. Drawing 1 3 Hours**  
Students will learn the fundamentals of artistic drawing, especially focusing on perspective and spatial analysis. A variety of media will be covered including graphite, charcoal, conté, pen and ink.
- 261. Ceramics 1 3 Hours**  
Students will learn the various techniques, tools and objectives of working in the ceramics medium, focusing on the creation of ceramic pieces as artworks. A variety of formal techniques and applications will be explored.
- 262. Painting 1 3 Hours**  
Students will learn the fundamentals of studio painting using oil paint as a medium, focusing on the creation of aesthetically sound images. A variety of formal techniques and applications will be explored.

- 264. Digital Photography I 3 Hours**  
Students will learn the basics of digital photography and its output possibilities. Students will learn the many functions of digital cameras, how to shoot high quality digital photographs, and how to begin rendering digital photographs in Photoshop.
- VISUAL ARTS (ART)**
- 111. Introduction to Drawing 3 Hours**  
Students will learn the fundamentals of artistic drawing, a practice essential to all forms of visual art, through the mastery of various drawing media including, pencil, charcoal, conté, pen and ink. Emphasis is placed on perspective and spatial conceptuality as it applies to projects and the history of drawing.
- 112. Fundamentals of Two Dimensional Design 3 Hours**  
Students gain knowledge of the principles of composition through technical application. Strong emphasis is placed on technique and the ability to distinguish various elements in their artistic context with an emphasis on layout and its relationship to the larger visual sphere.
- 113. Art History I: Prehistory to the Gothic 3 Hours**  
A general survey of the history of the visual world progressing from its earliest conceptions to initial architectural structures and ending with the spiritual emphasis in the Byzantine Period. (May be taken out of sequence)
- 114. Art History II: Gothic to Contemporary Art 3 Hours**  
A general survey of the visual world, progressing from the rebirth of art in the Gothic Period to the contemporary proliferation of visuality. Focus is placed on spirituality in the act of creation of visual works. (May be taken out of sequence)
- 160. Fundamentals of Three Dimensional Design 3 Hours**  
An introduction to the various aspects of creating works of art in three dimensions. Students develop a basic understanding of materials, tools and techniques. Technical proficiency is gained in junctions, modeling, form and texture while the history of three-dimensional media is explored.
- 208. Color Theory 3 Hours**  
This course examines the practice and theory of using colors within a composition with an emphasis on emotional capabilities and aestheticism. A strong emphasis is placed on technique and the radical history of the use of color in art. **Prerequisite:** ART 112 for majors and minors.
- 210. Drawing II 3 Hours**  
An advanced experience with drawing, students enhance their drawing capacities through the full practice of analyzing form and mass in a variety of different drawing media. Includes some work from a live model. A theoretical and historical component is included to provide students with proper situation of technique. **Prerequisite:** ART 111.
- 260. Sculpture I 3 Hours**  
A second experience in the practice of the creation of three-dimensional works of art. Ample studio work includes the manipulation of materials such as wood, plaster, metal and alternative materials. A secondary emphasis is placed on the history of sculptural techniques. **Prerequisite:** ART 160 for majors and minors.
- 261. Ceramics I 3 Hours**  
An introduction to the various techniques, tools and objectives of working in the ceramics medium. A historical overview accompanies each project in regards to ceramics as an art form rather than a utilitarian device. (No prerequisite)
- 262. Painting I 3 Hours**  
Students learn the fundamental techniques of studio painting using a variety of different subject matters, techniques, and materials. Each project contains a strong theoretical and historical component. **Prerequisite:** ART 208 for majors and minors.
- 263. Printmaking I 3 Hours**  
An introduction to the various techniques involved in basic printmaking processes. Students will work on mono-prints, etching, woodblock, and planar printmaking. A combined emphasis is placed on technique in conjunction with the historical usage of print media.
- 264. Digital Photography I 3 Hours**  
An introduction to the basic applications of digital photography and its various

- output possibilities. A history of the evolution of the photographic process culminating in digital technology is explored. Students learn the intricacies of working in PhotoShop as well as output. **Prerequisite:** ART 208 for majors and minors.
- 265. Graphic Design I 3 Hours**  
Students use and apply their initial design knowledge to the multiple facets of the graphic design field including logo development, signage, letterhead, package design and the broader mechanisms of the advertising process. **Prerequisite:** ART 208 for majors and minors.
- 266. New Media I 3 Hours**  
An introduction to various digital media and their applications specifically in the world of visual art. Students focus primarily on media relative to sequential time, including Flash, digital video and non-linear editing, with a strong emphasis placed on both technique and presentation. **Prerequisite:** ART 208 for majors and minors.
- 303. Methods in Art Therapy 3 Hours**  
The seminar class for Pre-Art Therapy majors covering the techniques, methods and practices of the art therapist. Observations take place out of class and in directly applicable situations. This course must be taken in the spring of junior year, prior to senior internship. **Prerequisite:** Acceptance into the Pre-Art Therapy degree program.
- 304. Methods in Arts Administration 3 Hours**  
A methodological seminar covering a wide range of issues within the realm of Arts Administration. Students will have the opportunity to develop relationships with various businesses employing art administrators as well as learn the specific finite details of the field. **Prerequisite:** Must be a Business Administration, Visual Arts, or Art Administration major in good standing.
- 312. Art Education in the Elementary School 3 Hours**  
A study of the artistic growth and developmental stages of children in relation to creative expression. Students will study theory and developmentally appropriate practice for teaching art in the elementary classroom and experiment with visual art materials. Fieldwork required.
- 317. Art Education in the Secondary School 3 Hours**  
A study of the vicissitudes of artistic development in regards to high school art students who may or may not be contemplating a future in the visual arts. Projects and topics include: teaching portfolio preparation, implementing new technology in the arts, and teaching art with a multidisciplinary approach. Lecture and lab. **Prerequisites:** Art Education or Education major in good standing and either ART 113 or ART 114)
- 352. Special Topics in Art 3 Hours**  
Visual Arts and Art History study beyond the curriculum of the existing visual arts courses. This may include seminars jointly taught with other departments or schools. Topics will be determined by the professor. The course may be repeated. A studio fee may be required.
- 360. Sculpture II: Form and Shape 3 Hours**  
A second level course in sculptural techniques and mediums concentrating specifically upon the aesthetics of form and shape in three dimensions. **Prerequisite:** ART 260.
- 361. Ceramics II: Form 3 Hours**  
A continued exploration into the various techniques of the ceramic process. Emphasis is on form and the building of a suite of works focusing exclusively on the problematics of this issue. Lectures are included with each project and concern both history and technique. **Prerequisite:** ART 261.
- 362. Painting II: Oil Painting and Spatiality 3 Hours**  
A continued exploration of the painting medium with specific instruction in oil painting techniques. The primary problems addressed are Trompe l'Oeil and the creation of spatial relationships. The history of perspective is combined into each project and lecture. **Prerequisite:** ART 262.
- 363. Printmaking II: Etching 3 Hours**  
This secondary course in printmaking covers the specific techniques of the intaglio process, its applications and history from the Guttenberg Bible to the Contemporary Period. **Prerequisite:** ART 263.

- 364. Digital Photography II: Lighting** **3 Hours**  
This secondary course for the digital photographer concerns itself with addressing the issues involved in lighting techniques and effects during the taking of the digital photograph as well as its subsequent rendering in a digital application. **Prerequisite:** ART 264 or JRNL 218.
- 365. Graphic Design II: Issues in Design** **3 Hours**  
This course provides advanced study of the graphic design processes. Focus is placed on conceptual development in creative solutions to specific design problems. A strong emphasis is placed on mastering vector graphics, page layout, and design applications. **Prerequisite:** ART 265.
- 366. New Media II: Digital Video** **3 Hours**  
This course is a technical studio in which students enhance their digital video skills, specifically enhancing the artistic merit of their work. Focus is placed on lighting effects within the video as well as the complimentary addition of sound. Individual and group projects include music video, biography, short film, and pure conceptual video. **Prerequisite:** ART 266.
- 405. Internship** **3 Hours**  
This class involves working as an intern in Graphic Design, Arts Administration or Pre Art Therapy. Students meet with their intern advisor once a week to discuss issues and knowledge gained through this work experience. (must be completed to fulfill the Arts Administration, Pre Art Therapy, or Visual Arts: concentration Graphic Design degrees)
- 406. Internship** **3 Hours**  
Second semester internship in student's specified field. Internship from fall may be continued throughout the Spring semester for credit. Some students may, with permission, intern on campus. (must be completed to fulfill the Graphic Design concentration) **Prerequisite:** ART 405.
- 450. Independent Study: Special Topics in Art History** **1-3 Hours**  
Any area of art historical study may be chosen. Research paper and art museum visits are required. Weekly sessions are arranged with the professor to discuss ongoing research. **Prerequisite:** Permission from instructor.
- 451. Independent Study: Studio Art/Visual Communications** **1-3 Hours**  
An option for the student who is majoring in the combined Studio Art/Visual communication articulation program with IVY Tech.
- 460. Sculpture III: Negative Space and Junctions** **3 Hours**  
Students focus and develop critical skills in their work by enhancing technical skills with specific regards to emphasizing the readability and impact of negative spaces as well as specific form/shape junctions and methods in interlocking materials. **Prerequisite:** ART 360.
- 461. Ceramics III: Color and Design** **3 Hours**  
Students pursuing the ceramics concentration focus on external aesthetic awareness of their art works, especially concerning glazing pattern and texture. The emotional mechanisms invoked by specific coloring and patterning are analyzed in relationship to use value and nonfunctional value. **Prerequisite:** ART 361.
- 462. Painting III: Texture** **3 Hours**  
Students in the painting concentration begin developing awareness of the physicality and viscerality within their work, concentrating specifically on the visual and mental effects of specific textures within the oil painting process. Lecture component. **Prerequisite:** ART 362.
- 463. Printmaking III: Subtractive and Reductive Processes** **3 Hours**  
Students focus on the history and technicality of the subtractive printmaking techniques, including but not limited to woodblock and linoleum print. Emphasis is placed on the substantiality of color. Lecture component. **Prerequisite:** ART 363.
- 464. Digital Photography III: Layering** **3 Hours**  
Students focus and develop a critical awareness of layering techniques in the secondary processes of digital photography, gaining insight into the read values of layering elements. A secondary emphasis is placed on color techniques and viewer response system. Lecture component. **Prerequisite:** ART 364.

- 465. Graphic Design III: Market Trends and Age Specificity 3 Hours**  
Students engage in a variety of individual and group projects directed at exploring current market trends, the curve of style, and design specifics for specific consumers in specific age brackets. **Prerequisite:** ART 365.
- 466. New Media III: Sequential Animation 3 Hours**  
Students work to complete a number of projects for a variety of hypothetical markets using Flash and other motion applications. Especial emphasis is placed on the logic of time and how it correlates to perceptions of aesthetics. **Prerequisite:** ART 366.
- 480. Sculpture IV: Transfiguration and Repetition 3 Hours**  
Students complete a body of works in a chosen sculptural medium engaging in the theoretical implications and historical connotations of transfiguration as artistic device. **Prerequisite:** ART 460.
- 481. Ceramics IV: Presentation, Multiplicity and Repetition 3 Hours**  
Continued emphasis on ceramic techniques and specific individual stylistic developments. Curriculum aims for students to become critically aware of how multiplication and repetition of forms and motifs affect the final presentation of their work. **Prerequisite:** ART 461.
- 482. Painting IV: Dichotomies and Affinities 3 Hours**  
Students push their paintings into the realm of the theoretical and begin to explore dichotomous elements within their individual paintings and also within their suites of work. Students engage with major historical and theoretical works on art to develop a deeper level of conscious awareness in regards to their own works. **Prerequisite:** ART 462.
- 483. Printmaking IV: Planographic Processes 3 Hours**  
Students engage in the fundamental techniques and issues surrounding the use and creation of works with the planographic processes. Digital transfer, xerography and plate lithography are emphasized. **Prerequisite:** ART 463.
- 484. Digital Photography IV: Conceptual Imaging 3 Hours**  
Students develop multiple bodies of images using specific conceptual idea and techniques. This course explores the most abstract depths of the photographic practice as fine art. **Prerequisite:** ART 464.
- 485. Graphic Design IV: Full Programmatic 3 Hours**  
Students complete two projects in the course of a semester, one individual and one group project. Each project is concerned with creating the entirety of a graphics package for specific clients with unique concerns. **Prerequisite:** ART 465.
- 486. New Media IV: 3D Modeling and Rendering 3 Hours**  
Students use their prior digital knowledge and practices in conjunction with multiple programs for 3D rendering. The semester concludes with a final sequential three-dimensional narrative injected with high aesthetic, conceptual, and critical qualities. **Prerequisite:** ART 466.
- 497. Senior Thesis: Seminar and Studio I 3 Hours**  
All Visual Arts, Pre Art Therapy, Arts Administration and Art Education majors must complete this course and pass to graduate. This is part one of the senior year capstone. Students will begin working on their senior theses, both the studio work and written component. Lectures and discussions cover numerous facets of entering the professional sphere, albeit graduate school, a teaching position or at a firm related to the visual arts. Students begin portfolio preparation and personal website design; develop curriculum vitae, design application including letters and packaging, artist statement, etc. The first semester culminates in the Senior Thesis Review, which must be passed for acceptance into the Senior Thesis Show. (Fall of senior year only)
- 498. Senior Thesis: Seminar and Studio II 3 Hours**  
The capstone course for senior Visual Arts, Pre Art Therapy, Arts Administration and Art Education majors. This course focuses on the writing of the Senior Thesis and completion of a full suite of works for the Senior Thesis Show. (Spring of senior year only)

**AMERICAN SIGN LANGUAGE (ASL)**

- 101. **ASL I** **4 Hours**  
 Introduces ASL and the Deaf Community; focuses on frequently used signs through a functional-notional approach and discusses cultural features of the Deaf Community. Out-of-class visits to d/Deaf community events are required. Two-hour lab required weekly. **Lab:** ASL 101L.
  
- 111. **ASL II** **4 Hours**  
 Emphasizes further development of receptive and expressive skills. Advanced beginning ASL interpersonal communication skills will be continued through a functional-notional approach. Out-of-class visits to d/Deaf community events are required. Two-hour lab required weekly. **Lab:** ASL 111L  
**Prerequisite:** ASL 101.
  
- 201. **ASL III** **4 Hours**  
 Increases vocabulary building; videotapes students' presentations; designates readings pertinent to Deaf people and their culture. Out-of-class visits to d/Deaf community events are required. Two-hour lab required weekly. **Lab:** ASL 201L **Prerequisite:** ASL 111.
  
- 204. **English Idioms & ASL Equivalents** **4 Hours**  
 Studies and applies ASL idiomatic expressions and colloquialisms; compares and applies frequently used English idioms to ASL. **Prerequisite:** ASL 111.
  
- 208. **American Deaf Culture** **3 Hours**  
 Covers the status of Deaf people as both a linguistic and cultural minority group. Topics include: cultural models, linguistic descriptions of ASL, educational and bilingual issues, literature and the arts, political and social issues.  
**Prerequisite:** ASL 111.
  
- 211. **ASL IV** **4 Hours**  
 Furthers intermediate-level study of ASL with an emphasis on conversation. Out-of-class visits to d/Deaf community events are required. Two-hour lab required weekly. **Lab:** ASL 211L.  
**Prerequisites:** ASL 201.
  
- 214. **Advanced Fingerspelling & Numbers** **2 Hours**  
 Provides concentrated instruction and practice in fingerspelling and numbers used in ASL. Assists the student in

acquiring fluent fingerspelling ability through the use of receptive and expressive drills. Examines cardinal and ordinal numbers as well as number incorporation and unique systems.  
**Prerequisite:** ASL 111 and ASL 201

- 260. **Independent Study** **1-4 Hours**  
 For American Sign Language major only. A study of a new topic or approach to American Sign Language relative to the student's interest. Taken by permission of faculty only.
  
- 311. **ASL Rhetoric and Socio-linguistic Competence** **4 Hours**  
 This is an advanced language development course. Students examine, identify, and apply rhetoric in ASL, gender and language variation in ASL, developing higher levels of social-linguistic competence in ASL use. **Concurrent:** INT 302
  
- 360. **Seminar Topics** **1-2 Hours**  
 Each seminar focuses on a different topic selected to gain knowledge and expansion in ASL and/or Interpreting skills.

**BUSINESS ADMINISTRATION (BADM)**

- 121. **Introduction to Business** **3 Hours**  
 An overview of the dynamic world of business, its functions and management tools. This survey course introduces students to the context of business and contemporary issues and explores the implications of viewing business as a calling and/or vocation.
  
- 122. **Business Ethics** **3 Hours**  
 Acquaints beginning students with basic moral and ethical issues involved in running a business, and including the role of business within the society. Classical ethical systems are introduced with major focus on biblical perspectives for ethical decision making.
  
- 221. **Business Law** **3 Hours**  
 A study of the principles of contract, agency, sales, employment, insurance, property, partnerships, corporations and bankruptcy. Attention is given to the rights and liabilities in commercial transactions.
  
- 222. **Business Communication** **3 Hours**  
 A practical application of the principles and psychological aspects of communication theory as related to the business setting. Emphasis is on written, oral and electronic modes of effective and effi-

cient conveyance and processing of business data for decision making and implementation. **Prerequisite:** ENGL 101.

- 223. Human Relations in Business 3 Hours**  
A study of how people interact and work together. Includes an examination of why values, attitudes and behaviors can cause relationship problems and how these problems can be prevented or overcome.
- 224. Principles of Supervision 3 Hours**  
A study of the supervisor's job emphasizing the development of skills required for being an effective first-level leader.
- 321. Principles of Management 3 Hours**  
This course is a study of principles and techniques of management for all fields of business and is founded on the four major managerial functions: planning, organizing, leading and controlling. Focusing on Christian business leadership, topics include: employee motivation, problem solving, strategic management, and ethical decision making.
- 322. Principles of Marketing 3 Hours**  
A study of methods of marketing and processes involved in the flow of goods from producer to consumer. Topics may include the marketing mix, research and segmentation, recent developments, and ethical issues.
- 331. Operations Management 3 Hours**  
The concepts, models, methods and techniques for managing operational aspects of manufacturing and service organizations. Topics may include: product design, forecasting, facility planning, production planning, distribution systems, inventory management, quality, project management and computer aided decision analysis.
- 334. Human Resource Management 3 Hours**  
An introduction to the management of human resources including employment law, theories and methods of selection, training, performance appraisal, compensation and employee/management relations.
- 335. Seminar in Business 1-3 Hours**  
A variety of business topics will be analyzed and discussed in this course. The specific topics included may change over time depending on current events, student needs and professor preferences. *May be repeated for credit with permission of instructor.*
- 341. International Business 3 Hours**  
A survey of issues, models, constructs and relationships in international commerce. Addresses the role of multinational enterprises, socio-economic forces, and technology on global, multi-local and domestic organizations. Aspects of personal and organizational services are also addressed.
- 424. Introduction to Advertising 3 Hours**  
This course studies cost-effective strategies in advertising. Topics include demographics and research, manipulation, media-packaging and promotional ethics. Skills are developed in direct marketing including mediathons, print and media copywriting and design. (Identical to COMM 276.)
- 426. Sales & Selling 3 Hours**  
A study of the principles of sales and selling. Includes both consumer and business to business approaches, management of sales departments and the role of sales in an overall marketing plan. **Prerequisite:** BADM 322.
- 427. Internship in Business Administration 1-4 Hours**  
Field experience in a selected area of interest, including on-the-job exposure and completion of a significant project. **Prerequisite:** Permission of instructor.
- 429. Independent Study in Business Administration 1-3 Hours**  
An opportunity for directed study or research in some area of interest or problem in business administration. May be repeated for credit.
- 430. Cross-Cultural Experience of Business 3 Hours**  
A field-based (rather than classroom based) study and experience that addresses business behaviors and conditions. Participants will prepare for, participate in and critically evaluate a living/learning time in a culture and/or geography not previously experienced. While specific contexts will vary, all students will deliver and defend a comprehensive assessment of their cross-cultural business experience.
- 431. Organizational Staffing 3 Hours**  
Focuses on maximizing the fit between the person, job and organization through job and organizational analysis, person-

nel planning, recruitment, selection and placement, employment testing and interviewing. Also, validation of selection procedures, equal employment employer (EEO) guidelines and affirmative action.

**Prerequisite:** BADM 334.

**432. Employee Development & Reward Systems 3 Hours**

Focuses on needs assessment; design, implementation and evaluation of training programs; performance evaluation; and maximizing employee motivation through compensation and reward structures.

**Prerequisite:** BADM 334.

**433. Employee Relations 3 Hours**

Addresses issues of maintaining effective employee/management relationships through labor relations, effective communication, discipline, safety and health, diversity and ethical decision making from both legal and Christian viewpoints.

**Prerequisite:** BADM 334.

**434. International Marketing & Management Strategies 3 Hours**

An advanced course applying principles of marketing and management in the international context. Topics will include international market research, marketing communications, segmentation techniques and related cultural differences, assessment of market value, product modifications, distribution issues and management strategies. **Prerequisites:** BADM 322, BADM 341.

**450. Business Policy 3 Hours**

A senior capstone course designed to integrate the major business functions into a management decision-making process. Includes an in-depth look at business ethics, strategic planning and policy formation. **Prerequisites:** BADM 321, BADM 322, ECON 332.

## **BIBLICAL STUDIES (BIBL)**

**201. Biblical Interpretation 3 Hours**

An introduction to methods of Bible study and to the principles of biblical interpretation. The inductive method is emphasized.

**211. Old Testament I 3 Hours**

The course emphasizes Genesis, Exodus, Joshua and 1-2 Kings. The important themes of creation, election, the exodus, conquest of Canaan and exile are studied. These themes are also traced to the New Testament.

**212. Old Testament II 3 Hours**

A close examination of the major themes and important Psalms (e.g., messianic Psalms), along with a study of the practical wisdom found in Proverbs, Ecclesiastes, Job and Song of Songs. Adult only.

**213. Old Testament III 3 Hours**

A study of the major themes in Isaiah: The Suffering Servant, New Heaven and New Earth, Restoration of Israel, The People of God, etc. Other prophets are surveyed, some are highlighted: Daniel, Ezekiel, Jeremiah, Amos, Hosea, Haggai and Malachi.

**214. Old Testament Book Study 2 Hours**

The textual examination and application of inductive principles of Bible study are applied to the Old Testament book(s) under consideration. Various books will be studied by the determination of the division and the course instructor. May be repeated once when a different book (or books) is (are) offered.

**215. Old Testament Literature 3 Hours**

An introduction to the literature, theological themes, historical background, geography and significance of the Old Testament.

**216. New Testament Literature 3 Hours**

A study of the literature, historical background, geography and significance of the books of the New Testament.

**221. New Testament I 3 Hours**

This course is an introduction to the four Gospels and the person of Jesus Christ. It includes a historical survey of Gospels' interpretation (source, form, redaction criticism) as well as more recent approaches such as narrative criticism. Moreover, this course aims at providing a framework for how to interpret the Gospels properly and consequently how to apply insights from Jesus (his personal example, teaching and theology) in one's life and ministry.

**222. New Testament II 3 Hours**

This course investigates the Book of Acts and the Pauline Epistles in chronological sequence in an effort to understand the missionary efforts of the Early Church. Critical matters of authorship, dating and interpretive methodology are covered. Attention is given to understanding the issues confronting the early church (e.g., Jew/gentile relationship, Law/Grace, Society/Evangeliza-

tion) and the theology of Paul with a view to fruitful application today.

**223. New Testament III 3 Hours**

This course is a detailed investigation of the General Epistles (Hebrews through Jude) and the Book of Revelation. Critical matters of authorship, dating and interpretive methodology are treated. Careful consideration is given to understanding the theology of these books and their appropriate application for today's church.

**Prerequisite:** BIBL 201

**224. New Testament Book Study 2 Hours**

The textual examination and application of inductive principles of Bible study are applied to the New Testament book(s) under consideration. Various books will be studied by the determination of the division and the course instructor. May be repeated once when a different book (or books) is (are) offered.1

**235. Church in the New Testament – Book Study in Acts 3 Hours**

This course is designed to study the book of Acts from a church planting and missiological perspective. Included in this perspective will be a focused inquiry into the workings of the Holy Spirit in the New Testament church.

**250. Biblical Archaeology 3 Hours**

This course is an introduction to the discipline of biblical archaeology for the Old Testament, Intertestamental and New Testament Eras. Students survey the history and methods of archaeology and focus on major archaeological artifacts and texts that have illuminated our understanding of the Bible and the biblical world.

**320. Biblical Theology 3 Hours**

This course ties the great theological themes of the Bible together and demonstrates proper methodology for doing Biblical theology. The unity, authority and inspiration of scripture is studied and the foundation for Christian ethics and a Christian worldview is established. **Prerequisite:** Permission of instructor.

**327. Disciplemaking Structures in Ministry 3 Hours**

This course examines the educational and theological processes of ministry and their intersection with spiritual formation in the lives of participants. The course will focus on the curriculum and

practical theology of ministry structures (leadership, group dynamics, trips and special events) common to local ministries. The course will help ministry leaders think intentionally about the spiritual formation and development of students involved in youth ministry programs.

**330. Intertestamental History & Literature 3 Hours**

This course will survey the historical and spiritual developments that took place between the time of the prophet Malachi and New Testament era, with the purpose of acquiring a greater understanding of the Bible and the message of Jesus. Students will read and discuss texts from the Apocrypha, the pseudepigrapha and the Dead Sea Scrolls, in addition to secondary readings on political and social developments during the 400 years between the Old and New Testaments.

**350. Israel: The People and The Land 3 Hours**

This course studies the history of God's interaction with his people and the land he promised to them. Particular attention is given to Israel's unique position and calling among the nations and God's plans for Israel and the nations. The sweep of Israel's history is covered from Genesis to the end of the Old Testament era (ca. 400 B. C.). A brief overview of Israel's history from 400 B.C. to the present concludes the course.

**450. Studies in Biblical Lands 4 Hours**

A comprehensive study course including the history, geography, archeology and cultures of some portions of the biblical lands. The program of study includes classroom lectures, on-site field exploration and first hand exposure to the geography and culture.

**460. Independent Study in Biblical Studies 1-4 Hours**

A course designed to study a particular period, author, topic or other area of particular interest to the student. For major and minor. May be repeated for credit. Permission required from instructor.

**470. Contemporary Critical Issues in Biblical Studies 2 Hours**

A capstone course that draws contemporary critical issues in Bible, Biblical Theology and hermeneutics together.

Each year a current significant critical issues(s) will be examined in a seminar format. **Prerequisites:** Senior status or consent of instructor.

## **BIOLOGY (BIOL)**

Unless noted, all four-credit science classes consist of three hours of lecture and a three-hour lab each week.

- 114. Survey of Human Biology 3 Hours**  
A one-term survey of human anatomy and physiology, especially for non-science majors. The major functioning systems of the body are reviewed with integration of physiological aspects with anatomy. No lab. (This course does not meet lab-based general studies requirements.)
- 115. Human Biology 4 Hours**  
This is a one-semester course in human anatomy and physiology prepared especially for sociology, psychology, education and general studies majors. The major functioning organ systems of the body are reviewed with full integration of physiological aspects with anatomy. Those wishing to major in Biology or the medical fields should not take this class. **Lab:** BIOL 115L
- 210. Zoology 4 Hours**  
An introductory survey of all animal forms from the most primitive single-celled organisms through the most complex mammals. Laboratory exercises focus on the comparative anatomy of organisms and organ systems surveyed throughout the animal phyla. Emphasis placed on taxonomy, structure, physiology and the natural history and ecology of the animals. Animals that have important economic or health impact on humans are highlighted. **Lab:** BIOL 210L **Prerequisite:** A college level course in science.
- 211. Botany 4 Hours**  
An introductory survey of all plant and fungi, from the most primitive single-celled organisms, through the most complex seed plants. Laboratory exercises focus on the comparative anatomy of organisms and plant physiology as surveyed through the plant and fungi divisions. Emphasis is placed on taxonomy, structure, physiology and the natural history and ecology of plants and fungus. Plants and fungus that have important economic or health impact on humans are highlighted. **Lab:** BIOL 211L **Prerequisite:** A college level course in science.
- 214. Human Anatomy & Physiology I 4 Hours**  
This is the first semester of a two-semester course. This first part provides a general introduction to the human body. The chemical, cellular, tissue and organ structure and function of the human body is followed by a more detailed exploration of the integumentary, osseous, muscular and nervous systems. **Lab:** BIOL 214L. **Recommended:** A course in Chemistry before this class.
- 215. Human Anatomy & Physiology II 4 Hours**  
This course is the second of a two-part series which provides an introduction to the anatomy and physiology of the human body. A detailed introduction to the endocrine, cardiovascular, respiratory, digestive, nervous, urinary and reproductive systems are given. **Lab:** BIOL 215L **Prerequisite:** BIOL 214
- 308. Molecular Cell Biology 4 Hours**  
A study of cellular structure and function at the molecular level, with emphasis on enzymes and nucleic acids. Topics will include membrane-bound organelles in the eukaryotic cell, cell motility, signal transduction, regulation of the cell cycle and the development of cancer. Laboratory included. **Lab:** BIOL 308L **Prerequisite:** CHEM 163, 164.
- 309. Genetics 4 Hours**  
A study of the principles of heredity, with emphasis on the chromosomal theory of inheritance, the mapping and analysis of genomes, transcription and translation at the molecular level and gene regulation in both prokaryotes and eukaryotes. Laboratory work will involve techniques associated with recombinant DNA technology. **Lab:** BIOL 309L. **Co-requisite:** CHEM 261.
- 312. Microbiology 4 Hours**  
A study of the fundamental principles of the morphology and physiology of microorganisms. Microbes that cause infectious disease will be highlighted and the human response to microbes will be addressed. Laboratory exercises will involve sterile techniques, staining methods for identification and the use of antimicrobial agents for microbial control.

**Lab:** BIOL 312L **Prerequisite:** A college course in biology and chemistry.

**313. Ecology 4 Hours**

A general study of the relationship of living organisms to environment, and the structural and functional properties of nature. Topics covered include population and community ecology, ecosystem management, biodiversity, competition and predation. **Lab:** BIOL 313L

**Prerequisites:** BIOL 210 and 211.

**Recommended:** MATH 111.

**317. Wildlife Techniques 4 Hours**

This course covers common techniques used in wildlife research. Skills will be developed in basic sampling design and biostatistics, writing for wildlife research, use of topographic maps, cover mapping, GIS and GPS in ecological inventory, analysis of habitats (wetland, farmland and forests), estimation of population size, home range, and survival, capture and handling birds and mammals, sexing and aging of game species and radio tracking. Each student will be required to participate in a field study and attend two weekend field trips. Three hours of lecture and three hours of lab per week. **Lab:** BIOL 317L.

**Prerequisite:** BIOL 210 or BIOL 211.

**330. Biodiversity 3 Hours**

This course focuses on the preservation and restoration of our natural environments through modern conservation theories of biological diversity. Major topics covered are: conservation biology, species preservation and conservation, habitat fragmentation, conservation reserves, global biodiversity, the role of genetics in conservation biology, ecological restoration, ecology, politics and environment and sustainable development.

**399. Internship in Biology 1-4 Hours**

Field experience in a selected area of interest, including on-the-job experience and practical training.

**Prerequisite:** Permission of instructor.

**411. Comparative Vertebrate Anatomy 4 Hours**

A comparative study of vertebrate systems and organs, using representatives of the classes for laboratory study. The course will cover the basic organ systems as represented throughout the vertebrates and compare differences within and among major classification schemes. Laboratory work will combine

comparative morphology with physiology to promote an understanding of biological aspects of development. **Lab:** BIOL 411L **Prerequisite:** BIOL 210.

**412. Developmental Biology 4 Hours**

A study of the vertebrate embryo and its morphogenesis from fertilization to the development of organ systems. Lab work will focus on identification of developmental pathways for organ systems, histological slide preparation and understanding the growth of the vertebrate from the single cell stage to the adult organism. **Lab:** BIOL 412L

**Prerequisite:** BIOL 210.

**413. Independent Study in Biology 1-2 Hours**

An opportunity to engage in independent study and research. A paper is required as evidence of accomplishment. May be repeated for credit.

**Prerequisite:** Permission of instructor.

**420. Mammalogy 4 Hours**

This course will cover the ecology, natural history, systematics and classification of the orders of mammals found throughout the world. Mammals will be studied from the aspect of comparative biology with emphasis on morphology, ecology and behavior. Special emphasis will be given to those mammals found in the Indiana-Great Lakes region. **Lab:** BIOL 420L **Prerequisite:** BIOL 210.

**430. Histology 4 Hours**

Students will be required to produce a set of plant and animal tissue slides, along with appropriate lectures concerning techniques, stains and reagents. This course will reinforce all the concepts learned in other biology courses concerning cells and cell structures and is a hands-on laboratory experience in cell preparation. **Lab:** BIOL 430L

**Prerequisites:** BIOL 308, 309.

**460. Biochemistry 4 Hours**

See description for CHEM 460.

**Lab:** BIOL 460L **Concurrent:** 484L, 484

## COMPUTER APPLICATIONS (CAPP)

**130. Computer Applications 3 Hours**

Provides skill development using computer-based end user software to solve real-world problems. Course provides a solid working knowledge of word pro-

cessing, presentation graphics, spreadsheets, and basic database management skills.

**210. Web Design 3 Hours**

This course is an introduction to the basic elements of web design and will focus on web layout, design, implementation, testing and updating. The HTML language and optimization of web graphics will be introduced. State-of-the-art web software applications will be used.

**325. Advanced Spreadsheet & Database Management 3 Hours**

Further study of spreadsheet and database features, functions, business decision making applications, and the building and programming of forms. Introductions to Visual Basic for Applications, SQL and ANSI standards also included. **Prerequisites:** CAPP 130.

**328. Survey of Computer Applications 3 Hours**

This course provides overviews and practical experience using various software programs relating to finance, productivity, management, and digital communication. **Prerequisites:** CAPP 130.

**432. Independent Study in Computer Applications 1-3 Hours**

An opportunity for directed study, research or completion of a special project in computer applications.

**Prerequisite:** Permission of instructor.

**433. Internship in Computer Applications 1-4 Hours**

Field experience in a selected area of interest, including on-the-job exposure and completion of a significant project.

**Prerequisite:** Permission of instructor.

**CHEMISTRY (CHEM)**

**150. Introduction to General, Organic & Biochemistry 4 Hours**

A survey of general, organic and biological chemistry designed for students in the nursing and related health professions. Three lectures and one three-hour laboratory each week.

**Lab:** CHEM 150L **Prerequisite:** High school chemistry or adequate algebra skill or permission of instructor.

**163. General Chemistry I 4 Hours**

An introduction to fundamental concepts and tools of chemistry, to include atomic

structure, stoichiometry, mechanical behavior of bulk matter thermodynamics and chemical bonding. This course is designed for science and engineering majors. Lecture and laboratory.

**Lab:** CHEM 163L

**164. General Chemistry II 4 Hours**

A continuation of the introduction to fundamental concepts and tools of chemistry, to include equilibrium, kinetics, thermodynamics and electrochemistry. This course is designed for science and engineering majors. Lecture and laboratory.

**Lab:** CHEM 164L **Prerequisite:** CHEM 163.

**261. Organic Chemistry I 4 Hours**

A systematic study of the chemistry of carbon and compounds and their derivatives. Three lectures and one three-hour laboratory period each week.

**Lab:** CHEM 261L **Prerequisite:** CHEM 164.

**262. Organic Chemistry II 4 Hours**

A continuation of Organic Chemistry I, with some emphasis given to the place of organic compounds in living organisms. Three lectures and one three-hour laboratory period each week.

**Lab:** CHEM 262L **Prerequisite:** CHEM 261.

**280. Analytical Chemistry 4 Hours**

A blend of the traditional quantitative analysis and instrumental analysis. Subjects covered include the treatment of analytical data, gravimetry, spectrophotometry, titrimetry, oxidation-reduction procedures of analysis, chromatography and others. Three lectures and one three-hour laboratory per week.

**Lab:** CHEM 280L **Prerequisite:** CHEM 164.

**360. Intermediate Inorganic Chemistry 4 Hours**

A study of the structure, properties, reactions and identification of inorganic ions and molecules. Lecture and laboratory.

**Lab:** CHEM 360L **Prerequisite:** CHEM 164.

**399. Internship in Chemistry 1-4 Hours**

Field experience in a selected area of interest, including on-the-job experience and practical training.

**Prerequisite:** Permission of instructor.

**460. Biochemistry 4 Hours**

An introduction to the major groups of biochemical molecules, the catabolic

processes which derive energy from them and the anabolic processes which produce them. Special attention is given to basic metabolic cycles and pathways (glycolysis, the TCA cycle, electron transport and oxidation phosphorylation) and to carbohydrate, lipid, protein and nucleic acid biosynthesis. These processes are related to cells and cellular substructure. Three lectures and one three-hour laboratory period each week. **Lab:** CHEM 460L

**461. Physical Chemistry I 4 Hours**  
A study of the fundamental laws of chemistry, emphasizing a more mathematical and thorough approach than prior courses. Topics of study include gas laws, thermodynamics, phase equilibria and kinetic theory. Three lectures and one three-hour laboratory each week. **Lab:** CHEM 461L  
**Prerequisites:** CHEM 164, PHYS 122, MATH 132.

**465. Independent Study in Chemistry 1-2 Hours**  
An opportunity for a chemistry major to engage in independent study and research. A research paper is required as evidence of accomplishment. May be repeated for credit.

## CHINESE (CHI)

**161. Elementary Chinese I 3 Hours**  
No prerequisites.

**162. Elementary Chinese II 3 Hours**  
Prerequisite of Chinese I or permission of instructor. A basic course that focuses on daily conversational Chinese; including pronunciation, idioms and phrases. Written instruction will center on a basic knowledge of pinyin, the essentials of grammar and the start of learning Chinese characters. The course will also include aspects of Chinese culture and customs. For beginning students and those with less than two units of high school Chinese.  
**Prerequisite:** CHI 161.

**271. Independent Study in Chinese 1-3 Hours**  
May be repeated.

## COLLEGE STUDIES (COL)

**060. Written Communication I 3 Hours**  
This course is designed to strengthen basic writing skills, including those of grammar, mechanics, punctuation and spelling. The writing of effective sentences, paragraphs, short themes and journals is also stressed. (Required for students whose SAT verbal score is below 450 or ACT verbal score is below 17.) *Credit hours do not count toward graduation.*

**065. Reading Dynamics 2 Hours**  
This course stresses various reading strategies that will prepare the student to read and comprehend college-level texts successfully. Attention is given to vocabulary building, study techniques, reading fluency and comprehension. (Required for students whose scores on the Nelson-Denney Reading Test fall below the satisfactory level.) *Credit hours do not count toward graduation.*

**066. English as a Foreign Language 2 Hours**  
The purpose of this course is to prepare international students to demonstrate a proficiency in the skills of the English language, including reading, writing, listening and speaking. The course will focus on the reading and comprehension of a variety of written texts. Students will also develop their skills in written and oral expression. (Required for international students whose scores on the Nelson-Denney Reading Test fall below the satisfactory level.) *Credit hours do not count toward graduation.*

**075. Basic Algebra 3 Hours**  
A review of the basic functions of algebra. *Credit hours do not count toward graduation.*

**085. Methods of Learning 2 Hours**  
This course is designed to strengthen disciplines necessary to be successful at the collegiate level, including basic study skills, test taking, time management, note taking, and reading college-level materials. Emphasis is placed on motivational techniques and critical thinking. Required of all students admitted on probation. *Credit hour does not count toward graduation.*

**090. Academic Strategies 2 Hours**  
This course is designed to strengthen basic study skills including test taking, time management, note taking, reading

college-level materials and other disciplines necessary to be successful at the collegiate level. It will serve as an accountability tool and will provide instruction, record keeping, support, and individual assistance. Required for continuing students on probation. *Credit hours do not count toward graduation.*

- 181. Adult Orientation 0-1 Hour**  
An orientation designed to acquaint adult students with college policies and procedures. Students will learn to access information by developing skills in computer proficiency and library research. Emphasis will be given to learning strategies and study techniques.
- 300. Prior Learning Assessment 1 Hour**  
This course is designed to teach the student how to prepare and present non-collegiate prior-learning experiences for academic credit at Bethel College. It includes the actual preparation, evaluation and revision of materials supporting a petition for credit in a particular discipline area. Assignments and classroom presentations and activities sharpen critical thinking and written communication skills. *Available to adult students only.*

## **COMMUNICATION (COMM)**

- 105. Foundations of Communication 3 Hours**  
Students will gain introductory and basic working knowledge in many of the disciplines of Communication represented at Bethel College, including Communication Theory, Intercultural, Interpersonal, Journalism, Mass Communication, and Public Relations.
- 171. Speech Communication 3 Hours**  
This course develops critical speaking and listening skills. Students will be expected to invent and arrange collegiate-level, dialogical messages appropriate for a specific audience, support the messages with suitable informative or persuasive reasoning, present the messages articulately and engage other messages with comprehensive and critical listening skills.
- 250. Portfolio Preparation in Communication 1 Hour**  
Introduction to the need for professional portfolios. Various types of samples are presented, and students set goals related to their individual course plans for the creation of an acceptable portfolio by the time of graduation. Cross-listed with ENG 250.
- 251. Introduction to Public Relations 3 Hours**  
The history of public relations, its development into an industry and theoretical basis supporting the field. The student examines the process, including research, planning and evaluation; the various publics; and aspects of the practice of public relations in various settings.
- 252. Public Relations Writing & Production 3 Hours**  
This course develops skills and techniques that cover several closely associated areas such as writing for public relations, copy dissemination, media use, and media network design. These techniques range across internal and external media, print, electronic and audiovisual media. **Prerequisite:** COMM 251.
- 272. Introduction to Interpersonal Communication 3 Hours**  
Principles of effective communication in dyads (two persons) and small groups. The course focuses on developing skills of effective communication, valuing others in a Christlike way by establishing and maintaining a positive communication climate and managing conflict in a positive manner.
- 273. Projects in Public Speaking 2 Hours**  
The study of the development and presentation of an effective speech, argument or sermon, with an emphasis on specific verbal skills. The student also participates in planning and presenting speeches in group settings, such as symposiums and problem-solving groups. **Prerequisite:** COMM 171.
- 275. Broadcast Media Writing 3 Hours**  
Development and enhancement of the skills and creativity necessary for writing in the broadcast field, including radio, television, video and film. Students learn the basic requirements and conventions of each medium by writing a variety of scripts. The course goals may also accommodate students interested in playwriting.
- 276. Introduction to Advertising 3 Hours**  
Cost-effective strategies in advertising, including studies in demographics, manipulation, media-packaging and promotional ethics. Skills are developed in direct-mailing, telephone campaigns,

mediathons, print and media copywriting and design. Identical to BADM 424.

- 278. Radio & TV Announcing 3 Hours**  
Development of an acceptable but individual style of announcing. Skills include announcing news, commercials, weather, continuity and music.
- 282. Radio Laboratory 1 Hour**  
Radio experience by fulfilling a board shift on the campus radio station. Students are introduced to radio formats and programming and are required to follow station policy. Other broadcast responsibilities may include copywriting, radio production and creation of special programming. May be repeated for credit. See specific program for maximum number of hours. COMM 278 recommended, but not required.
- 352. Intercultural Communication 3 Hours**  
This course explores issues related to the intercultural communication process and considers the important role of context (social, cultural and historical) in intercultural interactions. This course examines the complex relationship between cultures and communication from various theoretical perspectives. Special emphasis will be given to assessing and managing cross-cultural conflict and cross-cultural ministry applications.
- 360. Communication Theory 3 Hours**  
An exploration of the process of theory building in the field of communication. The student will examine the ways in which theory is generated and a number of examples of theory building at work. Theory-building exercises will be employed in the class, including consideration of theories of communication from a Christian perspective.
- 370. Oral Interpretation 2 Hours**  
A study designed to develop the art of interpreting, through oral presentation, various forms of literature. The student learns to interpret and analyze prose, poetry and drama for the author's intent and to convey that to the audience through oral expression. **Prerequisite:** COMM 171.
- 371. Mass Media & Society: Secular & Christian Perspectives 3 Hours**  
History and development of the major mass media into today's communication industries and media support systems. Consideration also is given to the impact and consequence of mass communication on society from Christian and secular viewpoints, and the responsibilities and influences of Christians in media professions.
- 375. Persuasion 3 Hours**  
The study of the processes of attitude change and the characteristics of persuasive messages and sources. Topics include ethics, theories of persuasion, and techniques of persuasion, including print, speech and persuasive campaigns.
- 380. Radio & TV History & Theory 3 Hours**  
Introduction to the electronic broadcast media. This study examines the use and management of radio energy, broadcasting's origin and growth, economics, social control and influence.
- 382. Radio & TV Production 3 Hours**  
Broadcast production, its problems and possibilities. In-depth study of expanding broadcast potentialities, such as UHTV and cable television in the private and public sectors. Students produce, individually or in groups, samples suitable for their professional portfolio.
- 385. Special Topics in Rhetoric 3 Hours**  
Topics will vary from year to year, and may include such titles as Rhetoric of Racial Reconciliation, Rhetoric of Gender, Rhetoric of Redemptive Violence, Visual Rhetoric, and major rhetoricians or rhetorical perspectives. May be repeated for credit.
- 336. Fieldwork in Communication 2-3 Hours**  
Appropriate pre-professional experience with a local organization in communication field to be completed by student's junior year. Under faculty supervision, each student will observe and work on-site, log tasks performed, collect appropriate artifacts and write a fieldwork paper. Fieldwork students must work 35-40 hours per credit hour.
- 387. Communication/PR Research 3 Hours**  
This course focuses on practical approaches to research in public relations campaigns. Topics explored include survey techniques, questionnaire development, interviewing techniques, attitude measurement, copy testing, audience analysis, computer database searches, evaluation of external research and data interpretation.

Students will select, create and use different research techniques to case study problems and will analyze results.

**440. Media Ethics 3 Hours**

This course is designed to teach the student the theoretical approaches that underlie ethical principles and situations in the following media: advertising, print and broadcast journalism, film, photo-journalism, public relations, television and the World Wide Web. Students will learn how to apply ethical decision-making strategies to actual and proposed cases, analyze cases from an ethical standpoint and develop ethical guidelines for personal and professional behavior. We will also explore how the media can better serve the public through ethical decision-making. **Prerequisite:** Permission of instructor.

**445. Public Relations Strategy & Implementation 3 Hours**

This course requires students to apply research and problem-solving techniques to actual or simulated public relations problems. Students will research, plan, write, schedule, budget and evaluate case problems and will employ skills developed from previous coursework. Preparation and presentation of an actual public relations campaign will be the natural culmination of this course.

**450. Portfolio Completion in Communication 1 Hour**

Completion of a portfolio of samples of professional quality. The completed samples must represent both depth and breadth of experience and skill. Portfolios by communications majors must be approved by department faculty to complete graduation requirements of the communications major. Cross-listed with ENGL 450. **Prerequisites:** COMM 250.

**461. Broadcast Operations & Management 3-4 Hours**

Principles and procedures underlying the four main areas of running a broadcast facility: programming, operations, business and management. Additional credit, if desired, can be earned with the optional fourth hour of credit for in-depth study in a specialized area, such as programming, sales, advertising and promotion, engineering and automation or regulation and control.

**474. Independent Study in Communication 1-3 Hours**

Private study in areas of communication not specifically addressed in existing courses. Majors or minors in communication may select areas of interest for private study. Signed permission of the instructor, before registration, is required. May be repeated for credit. **Prerequisite:** Permission of instructor.

**476. Internship in Communication 3-4 Hours**

Supervised professional experience in chosen field at work site. Internships are appropriate for second semester juniors and seniors who are ready to receive and complete substantive assignments that apply learned skills. Faculty and practitioners work together to link learning objectives with assessed outcomes. Internship students must serve 35-40 hours per credit hour, keep an active journal, collect artifacts and make a presentation of what they have accomplished at the end of the semester.

**CRIMINAL JUSTICE (CRMJ)**

**101. Introduction to the American Criminal Justice System 3 Hours**

Study of the agencies and processes involved in the United States Criminal Justice System: the police, the courts and corrections.

**201. Juvenile Justice System 3 Hours**

Study of the juvenile system including the theories of causation and prevention, functions and institutions and community agencies.

**202. Law Enforcement 3 Hours**

Study of the operations and history of law enforcement in the United States, including municipal, county, state and federal agencies.

**203. Corrections 3 Hours**

An introduction to the field of corrections and a survey of the philosophies and practices relevant to processing the convicted offender through the several methods developed to change the offender from a law violating person to a law conforming person.

**301. Criminal Law 3 Hours**

Introduction to criminal law, including the history and development of the law. Specific crimes against person, property and public order are discussed along

with judicial issues and decision by the courts. **Prerequisite:** CRMJ 101.

- 302. Criminalistics 3 Hours**  
Study of physical, biological, medical and behavioral sciences to crime investigations and detection. Hair, fibers, blood stains, paints, weapons, polygraphs, prints and other evidence will be discussed. Evidence collection at crime scenes will be considered. **Prerequisites:** CRMJ 101, 202.
- 303. Criminal Justice Seminar 3 Hours**  
In-depth analysis of selected topics in criminal justice. May be repeated once.
- 304. Criminal Investigations 3 Hours**  
Theoretical and practical study of investigations of crime, including crime scene procedures, interviews, interrogations, surveillance techniques and testifying in court.
- 401. Law, Ethics & the American Legal System 3 Hours**  
An in-depth analysis of the ethical issues confronting the criminal justice system in America in order to develop a greater awareness of the moral and ethical implications of conduct, to develop critical and analytical skills and to foster whole sight in addressing social and criminal justice issues. **Prerequisite:** CRMJ 101.
- 402. Criminal Court Process 3 Hours**  
A comprehensive study of the criminal court process, including topics of choosing a jury, rules of evidence, admissible statements and different roles of the characters in a courtroom. **Prerequisite:** CRMJ 101.
- 451. Independent Study 1-3 Hours**  
An opportunity for independent research and writing by advanced Criminal Justice majors. **Prerequisite:** Permission of instructor.

## **EARLY CHILDHOOD EDUCATION (ECED)**

- 111. Introduction to Early Childhood Education 3 Hours**  
This course provides the student with an overview of the field of early childhood education. Included are a historic perspective, theories and philosophies, program models, the role of the teacher, parents and teachers as partners, creating a learning environment, understand-

ing and guiding child behavior, evaluating for effectiveness and current issues and trends.

- 112. Nutrition, Health & Safety for Early Childhood 3 Hours**  
This course explores the requirements for providing food service in a licensed daycare facility. Included are food-related behavior, dietary guidelines, meal planning and preparation, mealtime environment, sanitation and food safety guidelines and qualification and specification requirements for meeting state and Child and Adult Care Food Program (CACCFP) requirements. Students will also learn to use health and safety methods that follow OSHA guidelines.
- 213. Child Care Administration 3 Hours**  
This course focuses on the administration of early childhood programs. Program planning, operational aspects and program services are main content areas. **Prerequisite:** ECED 216.
- 215. Understanding Special Needs Children 3 Hours**  
This course presents students with strategies for working with children who have special needs, including developmental delays, physical challenges, emotional needs and exceptional needs.
- 216. Early Childhood Learning Environment 4 hours**  
This course discusses the physical surrounding for providing quality care for infants, toddlers, preschoolers, and kindergarteners in child care facilities. Students will learn about room arrangement, play areas, equipment, toys, and health factors. Caregiving skills, organizational guidelines, and developmentally appropriate learning activities are discussed. Licensing requirements and current research for the age groups are studied. Students will examine materials and procedures for providing appropriate learning experiences, and prepare activities for each age group. Field experience required.
- 312. Practicum in Early Childhood 3 Hours**  
This course offers an opportunity for practical hands-on experience in an early childhood classroom/center (consisting of 100 hours). The student plans appropriate activities and accepts major responsibility for guiding the children.

- Prerequisites:** ECED 216.
- 415. Content Methods 4 Hours**  
This course surveys methods of teaching social studies, math and science in early childhood settings. Developmentally appropriate practices will be examined and practiced. **Concurrent:** ECED416.
- 416. Methods Field Experience 0 Hours**  
This course is designed to provide students an opportunity to practice and apply skills learned in the Content Methods class. Students will participate fully in an early childhood classroom/center for 30 hours during the semester. Students will assist the head teacher, provide instruction, and engage in professional activities. **Concurrent:** ECED415.
- 425. Early Childhood Student Teaching 2-5 Hours**  
This capstone course requires an extended placement (150 hours) in an early childhood classroom/center. The student will plan appropriate activities and accept major responsibilities for guiding children in learning. Attendance at weekly seminars required. **Prerequisites:** Completion of all ECED coursework.

## **ECONOMICS (ECON)**

- 229. Principles of Macroeconomics 3 Hours**  
An examination of the economy as a whole based on aggregates of price, output, and employment. Private and public finance, money and banking, and national income accounting and determination will be analyzed.
- 230. Principles of Microeconomics 3 Hours**  
An examination of how consumers and firms make decisions using scarce resources. The course covers markets, prices, consumer theory, production, costs, and industry structures.
- 239. Personal Finance 3 Hours**  
A practical study of the nature of managing one's personal finances and resources, which includes budgeting, analyzing insurance needs, comparing investment opportunities, evaluating credit purchasing and reviewing basic tax considerations.
- 233. Principles of Economics 3 Hours**  
A survey of the concepts, models and scope of the economics profession. This course gives attention to the study of micro and macro economic principles. Topics include supply and demand, consumer behavior, market structure, income determination, interest rates, inflation and unemployment.
- 302. Economic Issues 3 Hours**  
Course examines important historical economic episodes in the history of the United States such as the Great Depression, the creation of the Federal Reserve Bank and the use of price controls in the 1970s. The course also examines contemporary economic issues such as poverty, health care, environment and education. **Prerequisite:** ECON 229 and ECON 230.
- 303. Economic Development 3 Hours**  
Course examines the forces contributing to and retarding economic progress in developing countries and evaluates various development strategies. The role of foreign trade, economic integration, foreign investment, multinational corporations and technological transfers are examined. **Prerequisite:** ECON 229 and ECON 230.
- 304. Principles of Investments 3 Hours**  
Introduction to the analysis of the valuation of equity and debt securities given modern capital market theory. Course introduces fundamental and technical analysis of stock market investments. **Prerequisite:** ECON 229 and ECON 230.
- 329. Intermediate Macroeconomics 3 Hours**  
This course includes a theoretical treatment of income determination, unemployment, inflation and interest rates. Models of aggregate economic activity and policy are examined from several viewpoints. **Prerequisite:** ECON 229.
- 330. Intermediate Microeconomics 3 Hours**  
This course includes a theoretical analysis of consumer behavior, the determination of prices and the allocation of resources in a market economy. The economic behavior of individual consumer and the firm are examined. **Prerequisite:** ECON 230.

- 332. Management Finance 3 Hours**  
A study of principles and methods in acquiring and administering the funds (both debt and equity capital) of business enterprises. Financial analysis, return on investment and capital budgeting concepts are also covered.  
**Prerequisites:** ACCT 204, MATH 286, ECON 229, ECON 230.
- 333. Seminar in Economics 3 Hours**  
A variety of economic topics are analyzed and discussed in this course. The seminar may focus on one aspect of the economics discipline or several related topics may be examined.  
**Prerequisite:** ECON 229 and ECON 230.
- 401. Public Choice 3 Hours**  
Economic process of public policy formulation and implementation. Special attention is given to the role voters, special interest groups, bureaucracies, Congress and the President play in shaping public policies. **Prerequisite:** ECON 229 and ECON 233.
- 402. Internship in Economics & Finance 1-3 Hours**  
Field experience in a selected area of interest, including on-the-job exposure and completion of a significant project.
- 403. Senior Honors Project 3 Hours**  
Creative research project on a topic within economics. The project will be directed by a full-time economics faculty member. The topic will be tailored to the interests of the student who will research it, write it up and then present to a faculty committee.
- 420. International Economics 3 Hours**  
This course includes a description and analysis of international trade patterns, balance of payments accounts, and the theory of comparative advantage. The history and purpose of mechanisms for international adjustment are considered.  
**Prerequisite:** ECON 229 and ECON 230.
- 430. Industrial Organization 3 Hours**  
This course presents a description and analysis of the history and types of market structure. The factors determining the evolution of a given market structure and the economic performance of firms in their industry context are considered.  
**Prerequisite:** ECON 229 and ECON 230.
- 431. Money & Banking 3 Hours**  
A study of monetary theory and banking. Attention is given to commercial banking, the federal reserve system, foreign exchange, investment banking and interest rates. **Prerequisite:** ECON 229 and ECON 230.
- 432. Independent Study 1-3 Hours**  
An opportunity for directed study or research in some area of interest or problem in economics. May be repeated for credit. **Prerequisite:** Permission of instructor.

## EDUCATION (EDUC)

- 102. Foundations of Education 3 Hours**  
The study of selected historical and philosophical foundations of American education. Engages students in evaluating their potential for teaching. Also includes: Bethel's teacher education program requirements, the supply and demand situation in teaching, the governance and financing of public education, the role of teacher unions and professional associations and selected issues in education. Field experiences at three levels are required: elementary, middle school/junior high and high school.  
**Prerequisite:** At least a 2.0 G.P.A.
- 204. Diversity in the Classroom 3 Hours**  
Provides an overview of students from diverse cultural, racial, economic and language groups as well as students with physical, psycho-social and intellectual exceptionalities. Understanding is broadened through school and community-based field experiences. Fifteen hours of field experience is required.  
**Lab:** EDUC 204L **Prerequisite:** EDUC 102.
- 205. Educational Pedagogy I 3 Hours**  
This course introduces students to theories and research concerning teaching and learning. Discussion of the following are included: theories of learning; theories of classroom management; learning styles; motivation; research on effective teaching and effective schools; assessment and evaluation technique; how to interpret test scores; and how to explain them to parents. Fifteen hours of field experience are included. **Lab:** EDUC 205L **Prerequisite:** EDUC 102.

- 305. Educational Pedagogy II 3 Hours**  
 This course is designed to help students apply theory to the school classroom. Areas emphasized include planning for instruction, instructional strategies and evaluation and assessment of student learning. Classroom management strategies will also be addressed. Students will plan and implement lessons. The technology aspect of the course will include word processing, presentations, CAI, record keeping and use of the computer as an aid to instruction/learning. A variety of educational software and teacher utilities will be used. Fifteen hours of field experience are included. **Lab:** EDUC 305L **Prerequisite:** EDUC 205.
- 406. Workshop in Education 1-4 Hours**  
 A workshop dealing with an educational problem or issue. Repeatable. **Prerequisite:** Permission from instructor.
- 407. Independent Study 1-4 Hours**  
 An opportunity for an elementary or secondary education student to study an area of educational concern through stimulation of his/her own initiative by independent research. Repeatable.
- 408. Teaching Diverse Learners 3 Hours**  
 This course prepares preservice teachers to modify instruction for learners with needs outside of mainstream instructional practice. Specifically, the needs of inclusion students, gifted learners and other students with special circumstances will be addressed. Application will be integrated with the methods coursework as students interact directly with the diverse learners found in their field placement classrooms. Students will learn procedures for adapting instruction, varying assessment procedures, designing appropriate interventions, altering equipment usage and managing IEPs and para-professionals. The course is an integral component of the Elementary Methods Block and includes an extensive field placement.
- 409. Practicum 1-2 Hours**  
 This course is designed to give the student teaching experience usually in a laboratory setting. They will have the opportunity to apply techniques learned in the methods courses to practical situations. Permission of the divisional chairman is required. Repeatable. **Prerequisite:** Permission from instructor.
- 411. Senior Seminar in Education 2-3 Hours**  
**Prerequisite:** Admission to teacher education program. Repeatable.  
 These seminars vary in content according to current trends and issues in education. Seminars are offered in the areas of:
- a. **Research in Education:** This course includes exploration of descriptive, correlational, experimental and action research. Research reading, development of a research proposal and a brief study of statistical analysis will be covered.
  - b. **Reading and Language Arts Assessment and Strategies:** This course is for education students who are preparing to teach in elementary, middle or high schools. The focus of this course is on the assessment of communication skills with emphasis on reading and study skills and strategies to improve these skills. Fifteen hours of fieldwork are required.
  - c. **Trends and Issues in Education:** This course explores the current issues in education including school improvement, conflict management and assessment. Students will develop and present projects on current topics.
  - d. **Trends and Issues in Christian Schools:** This course explores the unique history, concerns and contributions of private, Christian schools and their unique role in the current culture.
  - e. **Intercultural/International Education:** This course explores cultural and international similarities and differences. It includes a travel component to another region of the United States or an international experience.
  - f. **School Law:** This course provides for a more in depth exploration of laws that affect schools and educators. The legal responsibilities and the implications of the law are the focus.
- 441. Professional Education Seminar 0-2 Hours**  
 The professional seminar is taken during the student teaching semester. Strategies for success in student teaching and procedures for making the transition from student to professional are

explored. The legal and ethical responsibilities of Christian educators in both public and private schools are addressed. In addition, philosophical and theoretical foundations of education are applied to the refinement of a personal philosophy of education encompassing a Christian worldview. Taken concurrently with student teaching. Passage of required state tests for teacher certification must all be accomplished prior to completion of this course and graduation.

## **ELEMENTARY EDUCATION (ELED)**

- 221. Children's Literature 3 Hours**  
A study of children's literature for the elementary grades, considering the various types, with attention given to the reading and evaluation.
- 305. Teaching in the Primary Grades 3 Hours**  
In this course students explore the role of families, communities and schools in supporting learning through creativity and play, especially in the primary grades. The course includes investigation and design of appropriate methods and strategies for psychosocial interaction, including creation of classroom environments that provide for elementary students' optimum development to learn with peers and adults. Fifteen hours of classroom observation/participation are required. **Lab:** ELED 305L **Prerequisite:** EDUC 102 or ECED 111.
- 311. Emergent Literacy 3 hours**  
This course explores children's early interactions with print (both reading and writing). The development of verbal and print language from birth to primary grades is discussed. Developmentally appropriate practices, as well as materials and activities that promote literacy awareness and growth are examined and constructed. This course includes 15 hours of fieldwork at the Kindergarten level.
- 411. Elementary Methods Experience 0 Hours**  
This course is designed to provide an opportunity to experience an elementary classroom. Students will fully participate in the school environment during the semester for approximately 150 hours. Students will assist the cooperating teacher, provide instruction, and engage in professional activities. **Prerequisite:** Admission to teacher education program. **Concurrent:** EDUC 408.
- 417. Method and Materials for Elementary School Art Educators 3 Hours**  
Methods and materials for teaching the Visual Arts in Elementary school are examined and practiced. Fieldwork is required. **Lab:** ELED417L **Prerequisites:** Admission to the Teacher Education program.
- 418. Social Studies Methods 3 Hours**  
Surveys the curriculum, materials and methods for teaching social studies in the elementary school classroom. Field experience is required. **Lab:** ELED 418L **Prerequisites:** Admission to the Teacher Education program.
- 419. Science Methods 3 Hours**  
Surveys the curriculum, materials and methods for teaching science in the elementary school classroom. Field experience is required. **Prerequisites:** EDUC 305 and admission to the Teacher Education program.
- 421. Reading & Language Arts I 3 Hours**  
This course is for students preparing to teach Pre-K through grade six. Attention is given to emergent literacy, the how and why of teaching the communication skills and the organization of language arts including literature-based programs. Field experience is included. **Lab:** ELED 421L. **Prerequisite:** EDUC 205 and admission to the Teacher Education program.
- 425. Mathematics Methods 3 Hours**  
Methods and materials for teaching mathematics in the elementary classroom are examined. Field experience is required. **Prerequisites:** EDUC 305, MATH 281 & 282 (or college math), and admission to teacher education program.
- 426. Student Teaching I 2-8 Hours**  
A 10-week teaching experience in a public elementary school under the joint direction of a cooperating teacher and a college supervisor. May be repeated for credit to gain additional teaching experience when it is deemed necessary or desirable. **Concurrent:** EDUC 441. Completion of all professional education

courses and approval of the Teacher Education Committee.

**427. Student Teaching II 4 Hours**

The second portion of the semester of student teaching in a different setting and/or level than ELED 426.

**Concurrent:** EDUC 441. Completion of all professional education courses, approval of the Teacher Education Committee and enrollment in ELED 426.

**431. Reading & Language Arts II 3 Hours**

This is a continuation of the Reading & Language Arts I Course. Attention is given to reading theory, strategies for teaching word identification, comprehension, assessment and study skills, as well as issues in language arts instruction. **Prerequisite:** ELED 421.

## ENGLISH (ENGL)

**101. Written Communication II 3 Hours**

This course is designed to develop critical skills in reading, writing and research, including expressive, informative and persuasive writing. A short research paper is required. A grade of "C-" or higher is required to pass the course.

**Prerequisites:** COL 060 or proficiency.

**101R. Research Writing I 1 Hour**

This course is designed for transfer students who need only a short research paper to receive credit for ENGL 101. The course will teach writing, research and MLA and APA documentation skills. A short research paper (minimum 1,200 words) is required. **Prerequisite:** Permission of instructor.

**102. Written Communication III 3 Hours**

This course provides further practice in the process of writing, with emphasis on analysis and evaluation of written texts. A major research paper on a topic in the humanities is required. A minimum grade of "C" (not "C-") on the major research paper is mandatory to pass the course. **Prerequisite:** ENGL 101 (C- or higher).

**102R. Research Writing II 1 Hour**

This course is designed for transfer students who need only a major research paper to receive credit for ENGL 102. The course will teach writing, research and MLA and APA documentation skills. A major research paper (minimum 2,400 words) on a topic in the humanities is

required. **Prerequisite:** Permission of registrar.

**104. College Writing for Adults 3 Hour**

This course is a refresher course in writing for adult students. If selected, generally it should be taken prior to completing the written communications requirements in general studies, and/or before attempting an unstructured Prior Learning Assessment. The course will cover the writing process, grammar review, critical thinking skills, and conventions of college writing. This course does not replace either ENGL 101 or ENGL 102.

**250. Portfolio Preparation in English 1 Hour**

The process and product requirements for a successful portfolio form the basis of this instruction. Cross-listed with COMM 250.

**301. Standard English Grammar 3 Hours**

The practice and theory of standard English grammar, as well as methods to learn and teach grammar, form the instructional content of this course.

**303. Creative Writing 3 Hours**

Advanced writing at the 300 and 400 levels to accommodate students who want to develop their creative abilities in writing. Research paper and other essays required. **Prerequisite:** ENGL 102.

**304. Introductory Linguistics 3 Hours**

This course emphasizes language structure, including phonetics (the sounds of language), phonology (the sound systems of language), morphology and lexicon (structured meanings in words) morphemes (units of meaning), syntax and semantics.

**371. Advanced Composition: Theory & Practice 3 Hours**

This course emphasizes recent research and theories about writing and researching writing, including research writing in the classroom. Research paper and other essays required. (Offered fall semester of odd-numbered years.)

**401. History of the English Language 3 Hours**

An outline history of the English language, tracing the origin of our language back to its earliest beginnings with its relation to the Indo-European family.

Includes a technical study of etymology.  
**Prerequisite:** ENGL 102.

- 450. Portfolio Completion in English 1 Hour**  
Completion of a portfolio of samples of professional quality. The completed samples must represent both depth and breadth of experience and skill. Portfolios by English majors must be approved by department faculty to complete graduation requirements of the English major. Cross-listed with COMM 450.  
**Prerequisite:** Permission of instructor.
- 465. Writing Practicum 3-4 Hours**  
Students experience work internships in writing to expand their horizons, strengthen their experience and enhance their skills.  
**Prerequisite:** Permission of instructor.

## **ENGINEERING (ENGR)**

- 101. Introduction to Engineering 3 Hours**  
An introduction to the various engineering disciplines designed for entering Engineering Science majors. Two half-semester multidisciplinary projects are used to illustrate the application of engineering modeling, analysis and design principles to solve a variety of practical problems. The projects are intended to span areas of interest in all areas of engineering. The Engineering profession, Christian ethics and missional opportunities (local, national, and international), will be addressed.  
**Lab:** ENGR 101L

## **FINE ARTS (FA)**

- 170. Perspectives in Fine Arts 3 Hours**  
A study of music, graphic arts, sculpture and architecture. The recognition, appreciation and enjoyment of the fine arts is the aim of the course. The relation of forms of expression to sociological and political influences is shown.
- 171. Survey of Music 3 Hours**  
A survey of western music, employing examples ranging from the Middle Ages up to the present day. A few technical matters will be presented but the primary work will be experiencing music, mostly in class, and reacting to it by means of written essays. Though designed for the musical novice, the

course will also include material of interest to the experienced musician.

- 172. Survey of Art 3 Hours**  
This course provides exposure through slides, video and physical examples of artworks chronicling several notable artworks and artsits. Local professional artists will provide periodic guest lectures about their artwork. Though designed for the art novice, this course will also include material of interest to art majors, art minors and local area artists. This course is not meant to replace Art History I or II which are survey courses mandatory for art majors. It is, instead, an introduction to the world or visual art.
- 370. Fieldwork in Fine Arts 1-6 Hours**  
Internship experience in a career specialization. An opportunity to develop and demonstrate skills and work behaviors appropriate to a professional career choice. Instructor's approval required. May be repeated.  
**Prerequisite:** Permission of instructor.

## **FRENCH (FREN)**

- 131. Elementary French I 3 Hours**
- 132. Elementary French II 3 Hours**  
A beginning course consisting of pronunciation, grammar, composition, conversation and readings from graded texts. For beginning French students and those with less than two units of high school French.
- 231. Intermediate French I 3 Hours**
- 232. Intermediate French II 3 Hours**  
This course aids in the understanding of more advanced French grammar, vocabulary and composition. It includes extensive reading in selected French texts.
- 271. Independent Study in French 1-3 Hours**  
May be repeated.
- 331. French Composition & Conversation 3 Hours**  
The goal of this course is to develop in the student a command of the language's resources so that he/she may express himself/herself, whether orally or in writing, with a degree of accuracy, spontaneity and sophistication that marks a notable advance beyond the level

attained in FREN 231 and 232. The time is to be equally divided between written composition and conversation.

**Prerequisites:** FREN 231 or 232.

- 332. Survey of French Literature I 3 Hours**  
A study of selected works by selected French authors of the 19th and 20th centuries. The writers to be studied through their works are, in the 19th century, Chateaubriand, Musset, Hugo, Balzac, Stendhal, Flaubert, Baudelaire and Zola; in the 20th century, Claudel, Gide, Proust, Camus, Sartre and Beckett. Background material will give some attention also to additional writers. To be conducted primarily in French.  
**Prerequisite:** FREN 331.

- 333. Survey of French Literature II 3 Hours**  
A study of selected works by selected French authors of the Middle Ages, the Renaissance, the 17th and 18th centuries. The main emphasis will be on writers of the 17th century. Authors to be studied through their works are Villon, Rabelais, Montaigne, Corneille, Racine, Moliere, Pascal, LaFontaine, Voltaire and Rousseau. To be conducted primarily in French. **Prerequisites:** FREN 332

- 431. Seminar in French Literature 3 Hours**  
The study in depth of a genre, period or author falling within the history of French literature from 1600 to 1970.  
**Prerequisites:** FREN 331, 332, 333.

## GERMAN (GER)

- 141. Elementary German I 3 Hours**  
**142. Elementary German II 3 Hours**  
A beginning course consisting of pronunciation, essentials of grammar, composition, conversation and readings from graded texts. For beginning German students and those with less than two units of high school German.  
**Prerequisites:** GER 141.
- 271. Independent Study in German 1-3 Hours**  
May be repeated.

## GREEK (GRK)

- 151. Elementary Greek I 3 Hours**  
**152. Elementary Greek II 3 Hours**  
A beginning course consisting of pro-

nunciation, essentials of grammar, composition and reading in the KOINE Greek.

- 251. Greek Exegesis 3 Hours**  
This course concentrates on vocabulary, grammar and translation in the Greek New Testament. Principles of exegesis are studied, with practice in selected passages.  
**Prerequisites:** GRK 151, 152.
- 255. Independent Study in Greek 1-2 Hours**  
An opportunity to engage in independent study in KOINE or classical Greek.
- 351. Seminar in Biblical Greek 1 Hour**  
These seminars enable the student to continue to develop his/her biblical languages to encompass large sections or books or the Hebrew and Greek testaments. The emphasis continues to enable the student to acquire the languages as theological tools for exegesis of God's word.

## HEBREW (HEB)

- 151. Elementary Hebrew I 3 Hours**  
**152. Elementary Hebrew II 3 Hours**  
A beginning course consisting of pronunciation, essentials of grammar, Semitic language structure and reading in biblical Hebrew. In the second semester, attention is given to grammar and extensive reading of selected biblical passages.
- 251. Hebrew Exegesis 3 Hours**  
This course concentrates on vocabulary, grammar and translation in the Hebrew Old Testament. Principles of exegesis are studied with practice in selected passages.  
**Prerequisites:** HEB 151, 152.
- 255. Independent Study in Hebrew 1-3 Hours**  
Opportunity to engage in independent study in biblical Hebrew. Enrollment by permission of instructor.
- 351. Seminar in Biblical Hebrew 1 Hour**  
These seminars enable the student to continue to develop his/her biblical languages to encompass large sections or books or the Hebrew and Greek testaments. The emphasis continues to enable the student to acquire the languages as theological tools for exegesis of God's Word.

**HISTORY (HIST)**

- 242. United States History I 3 Hours**  
A study of the history of the United States from the period of discovery through Reconstruction. Emphasis is placed on political, social and economic developments.
- 243. United States History II 3 Hours**  
A study of the history of the United States from Reconstruction to the present. Emphasis is placed on the political, social and economic developments.
- 246. Introduction to World Civilizations 3 Hours**  
A general introduction to the individuals, ideas and institutions that have helped shape the course of human history. Primarily designed for freshman and sophomore students. **Recommend:** ENGL 101 or permission of the instructor.
- 330. Themes in World History 3 Hours**  
The exploration of a specific theme in world history. Included among the possible themes are the history of science, the history of warfare, the history of medicine, the history of heresy and religious dissent and the history of modern revolutionary movements. May be repeated for credit.
- 331. Ancient World 3 Hours**  
A survey of world history from the emergence of the earliest civilizations to the disintegration of the western half of the Roman Empire. Attention will be given to the major political, social, cultural and religious developments in Mesopotamian, Indian, Chinese and Mediterranean history.
- 332. Medieval World 3 Hours**  
An inquiry into world history from the establishment of Islam to the early European voyage of discovery. Historical developments in East Asia, India, the Middle East and Europe will be examined in detail. A brief introduction to indigenous American and Sub-Saharan societies will also be included.
- 333. Early Modern World 3 Hours**  
An examination of the religious, political, economic and cultural transformations that led to the Western European dominations of the world by the mid-19th century. Attention will also be given to the continuities and changes in other regions of the world.
- 334. Modern World 3 Hours**  
A study of the religious, political, economic and cultural changes that characterize the shift from the era of European domination to the increasingly cosmopolitan contemporary world.
- 341. United States Foreign Relations 3 Hours**  
A study of the diplomatic relations of the United States, designed to acquaint the student with our present foreign policy.
- 345. American Religious History 3 Hours**  
A study of major movements, persons and themes in American religion: for example, Puritanism, the Great Awakening, church and state, voluntary associations and reform, religion and culture, Fundamentalism, etc.
- 347. Themes in American History 3 Hours**  
Course focuses on a specific theme in American history, such as African American history; women in American history; westward movement; Puritanism; immigration; urbanization; Alternative Healing Traditions, etc. Students are encouraged to help shape the topic.
- 353. History of Russia 3 Hours**  
A survey of the history of Russia from the Kiev period to the present, and an intensive study of the social, political and religious developments of the last decade.
- 439. Historical Methods 3 Hours**  
An introduction to the techniques, procedures, and skills of the working historian. After tracing developments in historiography, the philosophy of history, and recent methodological concerns, each student will pursue an individually designed research topic, culminating in a major paper. **Prerequisite:** Permission of instructor.
- 440. Seminar in American History 3 Hours**  
The seminar will be devoted to a particular period or topic of American history. Students will read and discuss texts that offer an introduction to the themes and concerns relevant to the period or topic, and conduct original research on a question chosen in consultation with the professor.
- 441. Professional Internship in History 1-3 Hours**  
Reserved for history majors. Students will work with a professional scholar in either an intramural or an extramural

internship. In light of individual abilities and interests, the internship will offer experience in teaching, research, and/or working with historical collections. **Prerequisite:** 21 credit hours of history and permission of instructor.

- 444. Independent Study 1-3 Hours**  
A study of some period, topic or problem in history. For majors and minors. May be repeated for credit.
- 445. Church History 3 Hours**  
A study of the development of Christianity from the post-apostolic period to the present. Major themes in areas such as ecclesiology, Christology and theology are highlighted.  
**Prerequisite:** HIST 246

**HUMAN SERVICES (HS)**

- 278 Introduction to the Human Services Professions 3 Hours**  
A study of the human service profession with emphasis on the history, philosophy, ethics, knowledge and skills of the practitioner in various settings. Course materials and field trips link theory and practice.
- 280 Group Facilitation in the Human Services Profession 2 Hours**  
A study of techniques and practices used by human services practitioners in the group settings. Includes the process of the preparation, selection and facilitation of groups; group dynamics; and the observation and evaluation of group function. **Prerequisite:** SOC Social Psychology and HS 278 Introduction to the Human Services Professions
- 320 Casework Methods and Writing in the Human Services Profession 3 Hours**  
Introduction to the methods used in casework management including assessment of client needs, goal development, design of action plan or intervention, implementation of intervention and assessment of outcomes. Course will also include the importance of utilizing community resources and brokerage of services with other agencies. Proficiency in writing real time case notes, case files and supervisory reports, and legal/court reports will be emphasized. Grant writing for service agencies will also be discussed.  
**Prerequisite:** HS 278 Introduction to the Human Services Professions

- 371 Interviewing and People-Helping Skills 3 Hours**  
A skills acquisition course where the student achieves a minimal competency level in observation and evaluation, including listening, problem identification, goal setting and use of problem-solving strategies. The ethical guidelines related to the use of these skills will also be discussed. Supervised practice includes extensive use of role playing, skill performance feedback and modeling.
- 375 Crisis Intervention 3 Hours**  
An overview of crisis theory and the development of knowledge and skills to assist persons experiencing crises. Attention is given to topics such as death, divorce, suicide, homicide, physical or sexual abuse and other situational crises.
- 410 Administration of Human Services Agencies 3 Hours**  
An overview of administration, management, and supervision of human services agencies. Laws, policy, legislation and ethics affecting human services agencies and practitioners will also be emphasized. Advanced grant writing may also be included. **Prerequisite:** HS 320 Casework Methods and Writing in the Human Services Profession
- 420 Research and Program Evaluation in the Human Services Professions 3 Hours**  
An overview of research methodology, research literature and program evaluation. Emphasis will be placed on reading and writing a literature review as well as developing and writing program outcomes and evaluation plans.  
**Prerequisite:** HS 320 Casework Methods and Writing in the Human Services Profession
- 471 Independent Study in Human Services 1-3 Hours**

**HUMANITIES (HUM)**

- 499. Humanities Project 0-2 Hours**  
A 30-50 page written project on an interdisciplinary topic in the humanities. The project, along with its oral defense, serves as the capstone learning experience for all Humanities Majors. The course is conducted as an independent study; the project and the oral defense are facilitated and evaluated by at least two representatives from the Committee on the Humanities. **Prerequisite:** Senior Humanities Majors only

**SIGN LANGUAGE INTERPRETING (INT)**

- 301. Interpreting I 4 Hours**  
Introduces the skill-building aspects of the interpreting process. Students begin the application of interpreting theory, Demand-Control Schema and logistics. Students will perform platform interpreting as well as interpreting in class. Lab required. **Lab:** INT 301L **Concurrent:** INT 304. **Prerequisites:** ASL 204, ASL 208, ASL 211 and ASL 214. Testing competency or completion of course work for A.A. degree in ASL with cumulative g.p.a. of 2.5 and/or program director's approval.
- 302. Interpreting II 4 Hours**  
Takes the foundational skills from INT 311 and INT 301 and applies them to more advanced contexts and texts. Students increase their sign-to-voice skills as it relates to a variety of styles of English. Lab required. **Lab:** INT 302L **Prerequisite:** Tested competency or completion of course work for A.A. degree in ASL, INT 301.
- 304. Fundamentals of Interpreting 3 Hours**  
This course examines the theories of interpreting; the basic cognitive skills for interpreting; and introduces the Demand-Control Schema as an approach to the decision-making process. **Concurrent:** INT 301
- 311. Linguistics of ASL 2 Hours**  
Investigates and justifies through linguistics the major grammar rules of American Sign Language. Studies specific aspects of phonology, morphology,

syntax and semantics. **Prerequisites:** ASL 211, ENGL 304.

- 401. Interpreting III 4 Hours**  
Introduces interpreting in specialized settings. Transliteration is introduced. Requires out-of-class observation assignments of working interpreters. Lab required. **Lab:** INT 401L **Prerequisite:** INT 302.
- 402. Interpreting IV 4 Hours**  
Continues work toward increased speed and accuracy in ASL/English interpreting. Out-of-class observation assignments of working interpreters will be required. Class offered first five weeks of semester. **Lab:** INT 402L **Prerequisites:** INT 401, taken the written test for national certification from the Registry of Interpreters for the Deaf.
- 417. Interpreter Certification/Evaluation 2 Hours**  
Studies the purpose of formal assessments and the various assessments used in the profession. Also, prepares students for the national written exam and the ethical portion of the national performance exam by RID. Students will take the written exam during this class. Students will be given possible dates and locations for off-site testing. **Prerequisite:** INT 302 or permission of Chair.
- 418. Job Market Analysis in Interpreting 2 Hours**  
Involves developing a portfolio as well as researching and preparing the essential skills for the business of interpreting: business cards, résumé, interview process, marketing, etc. **Prerequisite:** INT 302.
- 450. Interpreting Practicum 8 Hours**  
Provides supervised interpreting experiences through placement in various settings. Class offered last ten weeks of semester. **Prerequisite:** INT 406 and INT 418. **Concurrent:** INT 402; completion of general and major course work; and/or program director's approval.
- 460. Independent Study 1-4 Hours**  
For Interpreting major only. A research project under the supervision of the faculty that does not duplicate study in any other course. May be repeated for credit. Taken by permission of faculty only.

## INTERNATIONAL STUDIES (IS)

- 304. Language Acquisition and Cultural Adaptation 3 Hours**  
This course explores language acquisition and cultural adaptation issues and effective cross-cultural ministry in the context of community learning relationships, in order to equip learners with attitudes and skills needed for acquiring a new language and learning a new culture in the context of maximum involvement relationships.
- 450. International Studies Capstone 3 Hours**  
An undergraduate capstone course to complement and complete the required courses studied within the Intercultural Studies/International Business/International Studies core. The course will integrate multiple approaches in interdisciplinary studies, by integrating current issues central to international studies within the students' interests.
- 460. Independent Study in International Studies 1-3 Hours**  
May be repeated.

## INFORMATION TECHNOLOGY MANAGEMENT (ITSC)

- 110. Practical Security 2 Hours**  
Introduction to security awareness and its practical application in the world of the individual.
- 120. Introduction to Computing 3 Hours**  
Introduction to the computing field. Areas of study include: ethical and societal issues, information management, computer applications and programming.
- 121. Computer Programming I 3 Hours**  
An introduction to computer application development using a high level, object oriented, GUI based language. Emphasis is on the use of problem solving methods, algorithms, control structures, documentation and debugging.  
**Prerequisite:** ITSC 120
- 122. Computer Programming II 3 Hours**  
Continuation of ITSC 121, with emphasis on creating classes, data integration and data structures, web programming and exception handling.  
**Prerequisite:** ITSC 121

- 210. Web Design 3 Hours**  
This course is an introduction to the basic elements of web design and will focus on web layout, design, implementation, testing and updating. The HTML language and optimization of web graphics will be introduced. State-of-the-art web software applications will be used.
- 321. Systems Analysis 3 Hours**  
Structured systems analysis issues and tools used in the design, development, and maintenance of an information system. Topics include the development life cycle, UML object modeling, project management and prototyping with an emphasis on case studies.
- 323. Database 3 Hours**  
An introduction to the design, implementation and management of database systems. Data integrity, normalization, querying, presentation and security are studied using existing database management systems.
- 331. Network Design & Implementation 3 Hours**  
An introduction to data communications and computer networking. Topics include the OSI model, standards, protocols, applications, wired and wireless networks, hardware and software. Current network systems are used with an emphasis on Ethernet and the TCP/IP suite.
- 333. e-Commerce 3 Hours**  
Introduction to the landscape of online commerce including both the technical and strategic aspects using real-world case studies.
- 355. Information Systems 3 Hours**  
An introduction to the management, use and development of information technology systems in business. The role of computer hardware, software, personnel and administration in computer-based information systems.
- 410. Information Security 3 Hours**  
The managerial and ethical aspects of computer security, information security, and network security. Laboratory topics include encryption, protocols, security models, trusted systems, attacks, defenses and tools.
- 422. Internship/Senior Project 3 Hours**  
Faculty supervised practical experience in a local business or nonprofit organization OR research on a selected topic culminating in a written thesis and oral presentation.

**JOURNALISM (JRNL)**

- 211. Basic News Writing 3 Hours**  
An introduction to the principles and techniques of print news writing, including newsworthiness, interviewing skills, copy editing, writing to editorial assignment and editorials. The student is trained in journalistic, objective writing and is required to write and self-edit in limited time situations.  
**Prerequisites:** ENGL 101.
- 213. Layout & Design 3 Hours**  
An analysis of newspaper and magazine layout, and an in-depth study of the psychology and design of journalistic advertising. The student also is introduced to the tools of layout, including creating layouts to meet a variety of requirements for both newspapers and magazines.
- 216. Newspaper Laboratory 1-2 Hours**  
Production of the school newspaper, *The Bethel Beacon*. Students participate in planning and writing, editing, layout and design, typography, photography and printing. May be repeated for credit. See specific program for maximum number of credit hours.  
**Prerequisites:** JRNL 211 or permission of instructor.
- 218. Photography 3 Hours**  
An introduction to the basic elements of journalistic photography, including camera operation, composition, developing and printing.
- 219. Yearbook Laboratory 1-2 Hours**  
Production of the school yearbook, *The Helm*. Experiences may include theme development, creating and following a production schedule, writing, editing photography, layout and design and typography. May be repeated for credit. See specific program for maximum number of credit hours.
- 221. Features & Nonfiction Writing 3 Hours**  
Writers in this course learn to develop ideas, strengthen interviewing skills and hone powers of observations. Emphasis is placed on nonfiction writing for newspapers, magazines, Web and other types of publications. The course will introduce standard industry feature articles including: personal narrative, general expository, how-to, personality profile, filler and sidebar. (cross-listed with WRIT 227)
- 228. Photojournalism 1 Hour**  
Students will learn and practice basic principles of photojournalism and will be given specific assignments from the student media, for which they must meet publication deadlines. Students will be responsible for planning, arranging, shooting and developing or downloading their photos. They will further learn how to choose, crop and place photos into a publication. **Prerequisite or concurrent:** JRNL 218 or ART 264 or permission of instructor.
- 301. Editing 3 Hours**  
Revising or rewriting manuscripts to satisfy editorial needs according to the manuscript's purposes and intended audience. Specific attention is given to polishing and shaping, accuracy and readability. Some journalistic needs are also considered, such as copy fitting, type selection, writing heads and outlines.
- 314. Fieldwork in Journalism 2-3 Hours**  
Appropriate pre-professional experience with a local organization in communication field to be completed by student's junior year. Under faculty supervision, each student will observe and work on-site, log tasks performed, collect appropriate artifacts and write a fieldwork paper. Fieldwork students must work 35-40 hours per credit hour.
- 321. Advanced Features & Nonfiction Writing 3 Hours**  
This course builds on previously developed feature-writing skills and strengthens interviewing and research techniques. Assignments cover various advanced forms, including news features; profiles; columns; travel writing; critiques; editorials and opinion pieces; brights; reviews of literature, plays, movies and books; essays; biography; and autobiography. **Prerequisite:** JRNL221.
- 414. Internship in Journalism 3-4 Hours**  
Supervised professional experience in chosen field at work site. Internships are appropriate for second semester juniors and seniors who are ready to receive and complete substantive assignments that apply learned skills. Faculty and practitioners work together to link learning objectives with assessed outcomes. Internship students must serve 35-40 hours per credit hour, keep an active journal, collect artifacts and make a

presentation of what they have accomplished at the end of the semester.

- 415. Independent Study in Journalism 1-3 Hours**  
 For journalism majors and minors. A research project under the supervision of the journalism instructor that does not duplicate study in any other course.  
**Prerequisite:** Permission of instructor.

**LANGUAGE (LANG)**

- 101. Introduction to the Study of Language 3 Hours**  
 This course emphasizes language structure, including phonetics (the sounds of language), phonology (the sound systems of language), morphology and lexicon (structured meanings in words) morphemes (units of meaning), syntax and semantics.
- 201. Introduction to Phonetics 3 Hours**  
 Introduction to the nature of speech sounds. Topics include: physiological aspects of speech production, use of the International Phonetic Alphabet (IPA) as a descriptive tool, and instrumental analysis of speech sounds. Examples are drawn from both English and various world languages. **Prerequisite:** LANG101
- 299. Special Topics in Foreign Language 1-4 Hours**  
 Foreign language study not covered by an existing foreign language course. May include advanced study in languages already in the Bethel catalog or study of languages not currently in the Bethel catalog. Topics to be determined by the professor. May be repeated. May be counted toward the General Education requirement for foreign language. Depending on the topic specified, it may count toward a Liberal Studies concentration in a given language.
- 335. Theories and Practice of Second Language Acquisition 3 Hours**  
 Historical and Current theories of second language acquisition and assessment are discussed, observed, and practiced.
- 336. Methods in Teaching English to Speakers of Other Languages 3 Hours**  
 An overview of various methods used to teach English to non-native speakers of all ages. Topics include: commonly used

methods and techniques, principles of ESL/EFL pedagogy, connections between theory and classroom practice, and the roles of teachers and learners.  
**Prerequisites:** LANG101 and LANG335

- 431. Practicum I 3 Hours**  
 The first capstone course for the TESOL minor. The student will log 45 teaching/observation hours, be observed and evaluated by a TESOL professional, and complete a teaching portfolio.  
**Prerequisites:** LANG101, Permission of Instructor
- 432. Practicum II 3 Hours**  
 The second capstone course for the TESOL minor. The student will log 45 teaching/observation hours, be observed and evaluated by a TESOL professional, and complete a teaching portfolio. **Prerequisites:** LANG431, LANG336, Permission of Instructor

**LITERATURE (LIT)**

- 221. American Literature I 3 Hours**  
 This course traces the development of American literature from seventeenth-century British literary traditions, through the rise of a national literature and the American Renaissance, to the end of the War Between the States. Attention is given to literature of Native Americans, women and writers of various cultural backgrounds, and to religious journals and genres. Research paper and other essays required.  
**Prerequisite:** ENGL 102.
- 222. American Literature II 3 Hours**  
 This course continues the development of American literature from the post-Civil War era through Realism, Modernism, into Post-Modernism. Special attention is given to southern and western writers, and to writers of various cultural backgrounds and women writers. Research paper and other essays required.  
**Prerequisite:** ENGL 102.
- 227. World Literature 3 Hours**  
 This course, a broad survey of Asian, African, Latin American and Western literature, considers works from the "Hymn of Aten" to the present. Research paper and other essays required.  
**Prerequisite:** ENGL 102.
- 231. British Literature I 3 Hours**  
 This course covers a broad survey of

selected works of English literature, from Old English (c. 550 A.D.) to the rise of Neoclassicism (c. 1700 A.D.). Research paper and other essays required.

**Prerequisite:** ENGL 102.

- 232. British Literature II 3 Hours**  
This course covers a broad survey of selected works of English literature from 1700 through the present and includes Neoclassicism, Romanticism, Modernism and touches upon Post-Modernism. Research paper and other essays required. **Prerequisite:** ENGL 102.
- 251. Multicultural Literature 3 Hours**  
In-depth study and criticism of various literature of cultures and ethnic groups throughout the world and in America. Research paper and other essays required. **Prerequisite:** ENGL 102.
- 325. Shakespeare & His Contemporaries 3 Hours**  
This course considers the dramatic works of Shakespeare in the context of the Elizabethan-Jacobean theater, and studies works of his competitors (especially Marlowe and Jonson). Emphasis is given to teaching these works through student performance as promoted by the Folger Summer Workshops. Students will read selected plays, act out scenes, learn dramatic conventions, complete a research project, view videos and attend a stage production. **Prerequisite:** ENGL 102.
- 326. Literature in the British Isles 3 Hours**  
Study on location in England, Scotland, Ireland and/or Wales. Permission of the instructor required prior to travel.
- 328. Survey of Christian Literature 3 Hours**  
This course includes readings from the great religious works from the second century A.D. to the present, such as Augustine's *Confessions*, Luther's commentaries, Bunyan's allegory, Wesley's sermons and journals, the works of Bonhoeffer, Merton, King, Buechner and others. Research paper and other essays required. **Prerequisites:** ENGL 102.
- 329. Adolescent Literature 3 Hours**  
This course covers primarily genres and themes in young adult literature applicable for middle and high school curriculum with some children's literature. Along with surveying contempo-

rary literature and professional resources, lesson planning and reading theory will be discussed. **Prerequisites:** 200 level LIT course or admission to the Teacher Education Program and EDUC 205.

### Literary Genres

Course descriptions will vary from professor to professor, but research writing and creative writing serve as learning experiences in each course.

- 361. Short Story 3 Hours**  
A historical and critical study of fictional narrative through analysis of representative works from classical fable to modern short stories. Authors and texts will be chosen by the professor. Research paper and other essays required. **Prerequisite:** ENGL 102.
- 362. Novel 3 Hours**  
A study of the rise of the genre in 18th-century England, through its flowering in the 19th century and its entry into the 20th century. Various types will be included as well as a look at the novelists' aesthetic. Authors and texts will be chosen by the professor. Research paper and other essays required. **Prerequisite:** ENGL 102.
- 363. Drama 3 Hours**  
A historical and critical study of the development of drama and dramatic conventions from Greek drama through modern drama. Authors and texts will be chosen by the professor. Research paper and other essays required. **Prerequisites:** ENGL 102.
- 364. Poetry 3 Hours**  
A study of poetic composition from both historical and critical perspectives, covering the three major types of poetry: epic, lyric and dramatic. Authors and texts will be chosen by the professor. Research paper and other essays required. **Prerequisites:** ENGL 102.
- 365. Nonfiction 3 Hours**  
A study of the genres of essay, biography and autobiography, from both historical and critical perspectives, emphasizing those works recognized as having literary features. Research paper and other essays required. **Prerequisites:** ENGL 102.
- 372. Literary Criticism & Theory 3 Hours**  
This course introduces students to major terms and theories of criticism,

especially contemporary methodologies, such as structuralism, post-structuralism, New Historicism, feminism, deconstructionism and other critical approaches. Research paper and other essays required. **Prerequisites:** ENGL 102.

- 421. Seminar in Literature 3 Hours**  
Course content will be rotated semester to semester, but the seminar approach is the mode of instruction. An intensive examination of periods, movements, and/or figures which may include topics such as Medieval Literature, Renaissance Literature, Neoclassical Literature, Romanticism, Realism, Modernism, Post-modernism and Contemporary Literature. Research paper and other writing will be required. Course may be repeated for credit.  
**Prerequisite:** ENGL 102.
- 424. Independent Study in Literature 1-3 Hours**  
**Prerequisite:** Permission of instructor.

## MATHEMATICS (MATH)

- 070. Pre-Algebra 3 Hours**  
A review of the basic arithmetic operations, numeration systems, fractions, decimals and percents, problem solving, variable expressions a polynomials, and equations and graphing . (Required for all students who do not meet the minimum SAT/ACT math requirement: 450 for Math SAT; 17 for Math ACT). Credit hours do not count toward graduation.
- 110. Introductory Seminar in Mathematics 1 Hour**  
A topical seminar course for freshman mathematics and mathematics education majors. An overview of mathematics and its various branches, as well as the integration of the Christian faith with mathematics, are discussed.
- 111. Basic Probability & Statistics 3 Hours**  
A general studies course in statistics covering such subjects as averages, variability, standard scores, normal curves, correlation, linear regression, probability, sampling, hypothesis testing and chi-square. **Prerequisite:** COL 070 or proficiency.
- 122. Precalculus & Trigonometry 3 Hours**  
Trigonometric functions and identities; laws of sine and cosine; analytical geometry; in-depth study of functions; and introduction to the concept of a limit.  
**Prerequisite:** Two years of high school algebra or equivalent.
- 124. Applied Calculus 3 Hours**  
One semester of differential and integral calculus with emphasis on graphical, numerical and descriptive techniques. Topics from multivariable calculus and differential equations. Applications to economics, life sciences, physical sciences and other areas of student interest are emphasized throughout via student projects and presentations.  
**Prerequisite:** Two years of high school algebra or equivalent.
- 131. Calculus I 4 hours**  
The first course in a two-course sequence on single-variable calculus. Topics include: limits; continuity; the concept of the derivative; differentiation of algebraic and transcendental functions; applications of differentiation; antidifferentiation; Riemann integration; the Fundamental Theorem of Calculus; and introductory integration techniques. Three hours of lecture and three hours of recitation per week. **Lab:** MATH 131L  
**Prerequisite:** MATH 122 or permission of instructor.
- 132. Calculus II 4 hours**  
A continuation of MATH 131. Topics include: techniques of integration; applications of integration; infinite sequences; infinite series, including tests for series convergence; power series; Taylor series; introductory polar coordinates; first-order differential equations and initial-value problems, including graphical and numerical methods, and analytical solutions of separable and linear equations. Three hours of and three hours of recitation per week.  
**Lab:** MATH 132L **Prerequisite:** MATH 131
- 210. Discrete Mathematics 3 hours**  
This course introduces the student to discrete variables and their various applications. Selected topics may include: counting systems; cardinality; combinatorics; discrete and continuous variables; graph theory; decision theory; recursion; and cryptography.  
**Prerequisite:** MATH 131
- 221. Number Theory and History of Mathematics 3 Hours**  
Survey of the historical development of

mathematics from antiquity through the early twentieth century, with special emphasis on classic mathematical gems from geometry and number theory. Particular focus will be given to the women of mathematics. Mathematical topics will include: prime factorization and the distribution of primes; congruences and residue class arithmetic; quadratic residues and Gauss reciprocity; primality testing and pseudoprimes with applications to cryptography. **Prerequisite:** MATH 132

**225. Problem Solving Seminar 1-3 hours**  
Solve published problems from sources such as The American Mathematical Monthly, Mathematics Magazine, or Math Horizons, and submit solutions for publication. Various topics are addressed, and supplemental problems are provided. May be repeated for a total of 6 credit hours. **Prerequisite:** MATH 293

**231. Calculus III 4 Hours**  
A multivariable calculus course. Topics include: vectors and their properties in two and three dimensions; multivariable functions, including recognition of surfaces, limits and continuity, partial differentiation, optimization, multiple integrals, polar, cylindrical and spherical coordinates, vector fields, line and surface integrals, Green's, Stokes' and the Divergence Theorems. Three hours of lecture and three hours of recitation per week. **Lab:** MATH 231L **Prerequisite:** MATH 132

**232. Differential Equations 3 Hours**  
An introductory course in ordinary differential equations. Topics include: First order differential equations, including applications; second and higher order linear equations; series solutions; Laplace transforms; numerical methods; systems of linear equations; and various nonlinear differential equations. **Prerequisite:** MATH 231

**241. Linear Algebra 3 Hours**  
Systems of equations; matrices; properties of matrices; determinants; vectors and vector spaces; linear independence; basis; dimension; linear transformations; matrix representation of a linear transformation; eigenvalues; eigenvectors. **Prerequisite:** MATH 132.

**242. Linear Algebra and Differential Equations 4 Hours**

An introductory course in linear algebra and ordinary differential equations. Topics include: systems of equations, matrix algebra, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, first order differential equations and applications, second and higher order linear equations, Laplace transforms, series solutions and numerical methods, and systems of linear equations. Three hours of lecture and three hours of recitation per week. **Lab:** MATH 242L **Prerequisite:** MATH 132

**252. Probability and Statistics 3 Hours**  
A calculus-based introductory course in probability and statistics. Topics include: combinatorics, probability, discrete and continuous distributions, joint distributions, statistical inference, point and interval estimation, and hypothesis testing. **Prerequisite:** MATH 231

**281 Mathematics for Teachers I 3 Hours**  
This course is the first in a two-part course sequence designed to review elementary and prerequisite math content in preparation for ELED 425. Topics covered include: functions, sequences, sets, number systems and number sense, whole numbers, integers, rational numbers, and real numbers. Emphasis will be placed on conceptual understanding, as well as the creation of a learning community which will promote critical thinking and collaborative problem-solving skills. This course is also intended to prepare students to pass the math portion of the Praxis 1 exam. **Prerequisite:** COL 070 or proficiency.

**282 Mathematics for Teachers II 3 Hours**  
A continuation of the content from MATH 281. Topics covered include: Euclidean and coordinate geometry, measurement and the metric system, and an introduction to probability and statistics. Appropriate technological applications will be integrated in the course. **Prerequisite:** MATH 281

**286. Applied Mathematics for Business 3 Hours**  
A business modeling and problem solving course. Topics will include algebraic, exponential and logarithmic functions, graphing, modeling systems of equa-

tions and inequalities, applied differential and integral calculus with business applications. **Prerequisite:** A college level math course.

**293. Mathematical Theory and Proof**

**3 Hours**

This course provides an introduction to mathematical discover, conjecture, proof, and writing. The techniques covered are foundational to higher-level mathematics. Additional selected topics include: elementary number theory, relations, functions, and cardinality. **Prerequisite:** MATH 131

**301. Preparation for the Actuarial Exams**

**1 Hour**

A course to prepare students to take the first and second Actuarial Examinations. May be repeated for up to 3 hours of credit. **Prerequisite:** MATH 252

**331. Modern Geometry**

**3 Hours**

A course on Euclidean and non-Euclidean geometries. Topics include: axiomatic systems (and their philosophical implications), historical development of Euclidean and non-Euclidean geometries, and fractals. **Prerequisite:** MATH 293

**341. Abstract Algebra**

**3 Hours**

An introductory course in the theory of groups, rings, and fields. Topics include: groups, subgroups, permutation groups, factor groups, homomorphisms and isomorphisms; rings, integral domains, and ideals; fields and their extensions; and applications to number theory, solving polynomial equations and geometry. **Prerequisites:** MATH 293, MATH 241

**351. Complex Analysis**

**3 Hours**

An introductory course on functions of a complex variable. Topics include: algebra and geometry of complex numbers, analytic functions, complex integration and Cauchy's integral theorem, power series, Laurent series, singularities, and residue theory with applications to definite integration. **Prerequisites:** MATH 231, MATH 293

**352. Advanced Statistical Methods**

**3 Hours**

A continuation of MATH 252. Topics may include: hypothesis testing, Bayesian estimation, asymptotic distribution of estimators, linear regression and statistical techniques developed from least-square methods, multiple regression,

analysis of variance. **Prerequisite:** MATH 252

**354. Numerical Analysis**

**3 Hours**

Topics include: programming for numerical calculations, rounding error, approximation and interpolation, numerical differentiation and integration, and numerical solutions of nonlinear equations and ordinary differential equations. Computers are used for numerical calculations. **Prerequisites:** MATH 231, MATH 242, and ITSC 121

**357. Mathematical Modeling**

**3 Hours**

A course on the formation and study of mathematical models in the biological, social, and managerial sciences. Topics include: linear programming, games, graphs, Markov and Poisson processes, mathematical programming, queues, and equations of growth. **Prerequisites:** MATH 241, ITSC 121

**361. Real Analysis**

**3 Hours**

A rigorous treatment of the real number system. Topics include: sequences, series, limits, continuity, uniform continuity, uniform convergence, differentiation, Riemann integration, and power series. Advanced topics may include metric spaces. **Prerequisites:** MATH 132, MATH 293

**364. Ordinary and Partial Differential Equations**

**3 Hours**

A continuation of differential equations introduced in MATH 242. Topics include: existence and uniqueness of solutions, linear systems, partial differential equations, Fourier series, boundary value problems, and Bessel functions. **Prerequisite:** MATH 242

**395. Undergraduate Research Experience**

**1-3 Hours**

Supervised experience in undergraduate research. The experience may take place at an REU or on campus with a professor, and should culminate in a written summary of the progress or results. **Prerequisite:** Permission of instructor.

**396. Internship**

**1-3 Hours**

Field experience in a selected area of interest related to mathematics, including on-the-job experience and practical training. **Prerequisite:** Permission of instructor.

- 401. Preparation for the Math Subject GRE 1 Hour**  
A course to prepare students to take the Mathematics Subject GRE Examination in preparation for entering graduate school in mathematics. **Prerequisite:** MATH 341 or MATH 361
- 402. Preparation for the Secondary Math Praxis II 1 Hour**  
A course to prepare students to take the Secondary Math Praxis II Examination in preparation for licensure as secondary math educators. **Prerequisite:** MATH 293
- 481. Independent Study in Mathematics 1-4 Hours**  
An opportunity for a mathematics major to engage in independent study or research. May be repeated for credit.

## **MINISTRY (MIN)**

- 101. Introduction to Ministry 1 Hour**  
A study of the concept of ministry as a calling and a profession. Gifts for and offices of ministry will be studied. The student will begin developing a theology of ministry.
- 201. Spiritual Formation Experience 0 Hours**  
An individually-tailored experience, supervised by the student's advisor, in spiritual formation designed to foster growth in Christlikeness through the development of a disciplined approach to the spiritual life. Students can meet this requirement each semester by involvement in some type of spiritually formative experience as designated by course syllabus. This course is pass/fail. It does not carry any credit, but failure to complete the necessary four semesters will prevent graduation.
- 210. The Christian World Mission 3 Hours**  
The biblical basis and history of missionary motivation, and the study of missionary strategies and methods.
- 310. Evangelism & Discipleship 3 Hours**  
A study of the methods of evangelism and follow-up, including discipleship training and supervision.
- 313. Practical Skills in Worship Leading 3 Hours**  
This course should be viewed as a journey into the experiences, resources and techniques of worship leading. Among other topics, it will include an exploration of the following themes: biblical and historical foundations of worship, the worship leader, the worship team, resources, planning and technology.
- 320. Fundamentals of Christian Leadership 3 Hours**  
An introduction to the administrative/pastoral functions of ministerial leadership. This includes an investigation into basic biblical models of leadership. The course seeks to examine and relate current theory to a biblical model of pastoral ministry. Provides the theoretical background for any of the divisional internships.
- 327. Disciplemaking Structures in Ministry 3 Hours**  
This course examines the educational and theological processes of ministry and their intersection with spiritual formation in the lives of participants. The course will focus on the curriculum and practical theology of ministry structures (leadership, group dynamics, trips and special events) common to local ministries. The course will help ministry leaders think intentionally about the spiritual formation and development of students involved in ministry programs. **Prerequisite:** MIN 310.
- 333. World Religious Movements 3 Hours**  
An analysis of the major religions of the world, including the most significant new religious movements. Definition and evaluation of cultism is included.
- 334. New Religious Movements 3 Hours**  
An analysis of the most significant new religions, sects, and cults of the world.
- 340. Theory & Practice of Pastoral Care 3 Hours**  
A course which considers pastoral care to be the all-inclusive work of the pastor. A biblical model is developed with special emphasis upon pastoral counseling.
- 341. History & Polity of the Missionary Church 1 Hour**  
A study of the origins, development and growth of the various traditions which have come to be called the Missionary Church.
- 345. Music & Worship 3 Hours**  
A study of the theology and practice of worship, with special emphasis upon enrichment of worship in a local church. Different traditions of worship are

- explored and changing worship patterns are studied. Contemporary worship modes, worship music, the use of sacraments and principles of lay leadership for worship are discussed. Denominational traditions form the background for the development of worship programs geared to the local church. Identical with MULH 341. Fulfills Fine Arts General Studies requirement.
- 351. Multicultural Youth Ministry 3 Hours**  
Presents challenges of opportunities for experiencing various approaches to youth ministry in multicultural settings. Explores attitudes toward adolescence from various cultural perspectives. Emphasizes historical, theological and cultural development of Christian mission as it relates to adolescents.  
**Prerequisite:** YMN 181.
- 360. Principles of Church Multiplication & Planting 3 Hours**  
This course will examine the theory of church multiplication and the various strategies and techniques in the planting of churches.
- 361. Issues in International Ministries 3 Hours**  
A study of the historical issues faced during each phase in the development of international ministries, including an analysis of the strategies and methodologies in vogue during that period.
- 441. Homiletics 3 Hours**  
A study of the types and structure of sermons, exegesis as a basis for exposition, the proper use of argument and illustration and methods of delivery. Includes a laboratory experience in preparation and delivery of sermons.  
**Prerequisites:** COMM 171, BIBL 201.
- 446. Internship in Ministry 1-4 Hours**  
An on-the-job approach to the work of the ministry. The application of selected materials to the development of the church is made with the help of the mentor pastor and the college supervisor. Critical analyses are made by the pastor, district superintendent, college supervisor and fellow students involved in the same program. (One semester minimum, or one entire summer. May be repeated for a maximum 8 hours with approval of advisor and professor.)  
**Prerequisite:** Junior or senior standing.
- 447. Internship in International Ministries 1-4 Hours**  
A study on a foreign mission field, observing the work of foreign missionary personnel and national workers. The course includes a brief study of the history, culture and missionary activity of the country prior to the field experience and a report of the student's daily activities during the field experience.
- 448. Internship in Evangelism 2 Hours**  
Experience in the formulation and administration of broad programs of evangelism in a local church or parachurch organization. The student surveys needs, develops trained personnel and supervises a program of evangelism. **Prerequisite:** Permission of instructor.
- 460. Independent Study 1-4 Hours**  
A study of a topic or approach to ministry relative to the student's interest. Permission from instructor required.
- 461. Special Topics in Christian Ministry 1-3 Hours**  
An opportunity to study issues, trends, topics, or content in youth ministry that may not be covered in other courses. Developed and offered on demand.

**MUSIC DEPARTMENT (MUAP)**

**Credit is based on the following formula:**

1 credit hour . . . .12-14 half-hour lessons

2 credit hours . . . .12-14 one-hour lessons

Materials are chosen by the teacher to meet the needs of individual students. Repertoire guidelines are available in the Music Office. Student progress is determined through lessons and at juries at the end of each semester. Contact the Music Office to schedule lesson times.

- 131. Class Voice 1 1 Hour**  
Voice training for elective students who have not had prior private vocal study at the college level. The students will explore basic vocal techniques and principles for healthy singing. Practical exercises and suitable literature will be used to introduce tone production, artistic sensibilities and musical understanding in a class setting. Students are required to practice outside of class. Offered on demand.

- 132. Class Voice 2 1 Hour**  
Continued voice training for elective students building upon the basic vocal skills and principles introduced in Class Voice 1. Additional exercises and literature appropriate for this level will be introduced. Students are required to practice outside of class. Offered on demand. **Prerequisite:** MUAP 131
- 133. Class Voice 3 1 Hour**  
Continued voice training for elective students that can also serve as a preparation for private vocal study. Students will demonstrate specific studied and practiced exercises and perform literature. Students are required to practice outside of class. Offered on demand. **Prerequisite:** MUAP 132
- 141-144. Class Piano 1 Hour**  
For students who wish to learn basic piano skills or advance their beginning skills. The first two levels (141,142) serve as prerequisites for further study in elective piano (lessons). (141–Beginning level 1; 142–Beginning level 2; 143–Intermediate level 1; 144–Intermediate level 2).
- 145. Elective Voice 1 Hour**  
Private voice lessons for students who are interested in further development of their skills. Grading will be on a pass/no pass basis. Does not count toward a music major or minor. May be repeated for credit. **Prerequisite:** MUAP 131
- 146. Elective Piano 1 Hour**  
Private piano lessons for students who are interested in further development of their skills. Grading will be on a pass/no pass basis. Does not count toward a music major or minor. May be repeated for credit. **Prerequisite:** MUAP 141 and MUAP 142.
- 147. Elective Instrument 1 Hour (Indicate Specific Instrument)**  
Private instrument lessons for students who are interested in further development of their skills. Grading will be on a pass/no pass basis. Does not count toward a music major or minor. Please specify the instrument for which you are registering. May be repeated for credit.
- 151. Piano Lessons 1-2 Hours**  
For first- and second-year piano majors and minors and others who choose to receive a letter grade. May be repeated for credit.
- 170. Opera Workshop 0-1 Hour**  
Students are introduced to basic acting techniques and stage terminology that will aid the singing-actor in dramatic presentation on the lyric theatre stage; character study through improvisation, observation and analysis plays an important role. Special emphasis is given to the interpretation of music and the use of the singing voice as a critical part of character development. Application of these skills to scenes taken from standard lyric theater repertoire provides performance opportunities. Students must be currently enrolled in private voice study. **Prerequisites:** 2 semester of MUAP 145, 171 or permission of the instructor.
- 171. Voice Lessons 1-2 Hours**  
For first and second-year voice majors and minors and others who choose to receive a letter grade. The final exam requires a jury (performance) in front of the voice faculty. May be repeated for credit.
- 180. Performance Class 0 Hours**  
Various aspects of performance are studied and experienced through class recital performances, lectures, panel discussions and presentations. Campus concert/recital attendance is required. Some classes are used for recital hearings, evaluations and related topics as announced.
- 181. Orchestral Instrument Lessons 1-2 Hours**  
For first- and second-year instrumental majors and minors and others who wish to receive a letter grade. Please specify the instrument for which you are registering. May be repeated for credit.
- 246. Special Topics in Music 0-2 hours**  
Selected topics in music will offer opportunities for study in a variety of areas of interest intended to enhance knowledge and skill in an area of specialization. Pedagogical, historical, theoretical and /or performance aspects of music will be presented by expert faculty. Performance oriented topics may require a specified practice component. Some topics will require permission of the instructor due to skills needed. May be repeated for credit. Applied music fee required.

- 250. Accompanying 1 Hour**  
Practical and musical aspects of piano accompanying for intermediate and advanced piano students. Hymn playing, accompanying of instrumental and vocal soloists and choral accompanying will all be considered.
- 284. Recital 1 Hour**  
This recital consists of a minimum of 20 minutes of music reflecting at least four required hours of private lessons. The student will receive extra rehearsal, coaching and planning time.
- 351. Piano Lessons (Upper Division) 1-2 Hours**  
For upper division piano majors and minors. May be repeated for credit.  
**Prerequisite:** Four semesters of MUAP 151 and permission of music faculty.
- 371. Voice Lessons (Upper Division) 1-2 Hours**  
For upper division voice majors and minors. May be repeated for credit.  
**Prerequisite:** Four semesters of MUAP 171 and permission of music faculty.
- 380. Junior Recital 1 Hour**  
Required for performance majors (one credit hour). This recital consists of a minimum of 30 minutes of music. The student will receive extra rehearsal, coaching and planning time.
- 381. Orchestral Instrument Lessons (Upper Division) 1-2 Hours**  
For upper division instrumental majors and minors. Please specify the instrument for which you are registering.  
**Prerequisite:** Four semesters of MUAP 181 and permission of music faculty.
- 480. Senior Recital 1 Hour**  
Required for all music majors. For performance majors this recital consists of a minimum of 45 minutes of music; for music education majors a minimum of 30 minutes of music is required. The student will receive extra rehearsal, coaching and planning time.
- 231. String Instruments 2 Hours**  
A comprehensive approach to the performance and pedagogy of string instruments for the music education major. Major topics include technique, acoustical principles, basic maintenance, teaching methods and instructional materials. Public school observation/teaching experiences required.
- 232. Woodwind Instruments 2 Hours**  
A comprehensive approach to the performance and pedagogy of woodwind instruments for the music education major. Major topics include technique, acoustical principles, basic maintenance, teaching methods and instructional materials. Public school observation/teaching experiences required.
- 233. Brass Instruments 2 Hours**  
A comprehensive approach to the performance and pedagogy of brass instruments for the music education major. Major topics include technique, acoustical principles, basic maintenance, teaching methods and instructional materials. Public school observation/teaching experiences required.
- 234. Percussion Instruments 2 Hours**  
A comprehensive approach to the performance and pedagogy of percussion instruments for the music education major. Major topics include technique, basic maintenance, teaching methods and instructional materials. Public school observation/teaching experiences required.
- 237. Church Music Ministry & Literature 3 Hours**  
Practical experiences, lectures, demonstrations and appropriate literature will be presented in music areas related to the church. A broad selection of topics will be presented to prepare students for basics in church music programs.  
**Prerequisite:** MUED 333.
- 240. Marching Band Techniques 1 Hour**  
Principles and practices for the organization and administration of the high school marching band program. Topics include show construction, field maneuvers, rehearsal techniques, music selection, marching percussion and charting techniques. Students will be assigned to

high marching program for observation and teaching experiences.

**Concurrent:** SCED 440, SCED 439.

- 333. Basic Conducting 2 Hours**  
An introduction to conducting which deals with beat, patterns, cueing, releases and basic baton techniques.  
**Prerequisite:** MUTH 122.
- 334. Advanced Choral Conducting 2 Hours**  
A continuation of MUED 333, with an emphasis on choral literature and a consideration of choral rehearsal methods.  
**Prerequisite:** MUED 333.
- 335. Advanced Instrumental Conducting 2 Hours**  
A continuation of MUED 333, with an emphasis on instrumental literature and a consideration of instrumental rehearsal methods. **Prerequisite:** MUED 333.
- 340. Vocal Diction I 1 Hour**  
A study of pronunciation in Italian and German vocal literature employing the International Phonetic Alphabet.
- 341. Vocal Diction II 1 Hour**  
A study of pronunciation in French and English vocal literature employing the International Phonetic Alphabet.  
**Prerequisite:** MUAP 171
- 344. Music for Elementary Teachers 3 Hours**  
A study of music fundamentals and classroom methods designed for elementary teachers.
- 345. Methods & Materials for Teaching Early Childhood Music 2 Hours**  
Principles, methods and materials for teaching music in the preschool and early elementary school (grades K-2). Includes the development of the child's musical growth through singing, listening, rhythmic and creative activities; a survey of available teaching/learning materials; and development of playing and skills. **Concurrent:** MUED 346.
- 346. Teaching Practicum in Early Childhood Music 0 Hours**  
Public school observation/teaching experiences. **Must be taken with MUED 345.** (Grading will be on a p/np basis. In the event of a np grade, practicum may be retaken with permission of instructor.)  
**Concurrent:** MUED 345

- 347. Methods & Materials for Teaching Middle Childhood Music 2 Hours**  
Principles, methods and materials for teaching music in the upper elementary school (grades 3-5). Emphasis is on planning, implementing and evaluating an eclectic curriculum based on the influences of Dalcroze, Orff and Kodaly. Includes the development of the child's musical growth through singing, listening, playing instruments, reading, improvising and composing; a survey of available teaching/learning materials; and development of students' musical concepts.  
**Concurrent:** MUED 348.
- 348. Teaching Practicum in Middle Childhood Music 0 Hours**  
Public school observation/teaching experiences. **Must be taken with MUED 347.** (Grading will be on a p/np basis. In the event of a np grade, practicum may be retaken with permission of instructor.) **Concurrent:** MUED 347
- 349. Piano Pedagogy 3 Hours**  
Concepts, practices and issues in teaching piano students from beginning students through intermediate level students. Philosophy of piano education, age variables, graded skills, private lesson and class methods, piano technique, music reading fluency, aural skills, materials, appropriately graded piano literature and business details are included.
- 350. Vocal Pedagogy 2 Hours**  
This course is designed to study the physiology of the vocal mechanism and teach the development of breath management and vocal resonance. This course will also survey methods and materials used in teaching singing including diagnosis and resolutions to vocal problems through observation of private voice teaching, recital preparation and discussions on dramatic expression in singing.  
**Prerequisite:** MUAP 171.
- 351. Instrumental Pedagogy 2 Hours**  
The course, tailored for each woodwind, brass, and stringed instrument, includes in-depth studies of materials, methods, repertoire, and teaching techniques for private and group instruction. Supervised teaching experiences are required of each student. Offered as private tutorial.

- 357. Internship in Church Music 3 Hours**  
An internship in a church music position intended as a capstone experience. Opportunities will be provided to develop and demonstrate skills and work behaviors appropriate for church music settings. Specific tasks and expectations will be assigned by a supervisor in conjunction with the music department chair. May be repeated for credit.

## **MUSIC ENSEMBLES (MUEN)**

- 191. Jazz Ensemble 0-1 Hour**  
The Jazz Ensemble performs music from the broad spectrum of jazz composition, including: Swing, Bebop, Latin and Fusion styles. Rehearses once per week. Membership is by audition during the registration period.
- 289. Chamber Orchestra 0-2 Hours**  
The Chamber Orchestra studies and performs traditional and contemporary literature in a variety of idioms and styles. Concerts are performed off and on campus. Skill development, professional habits and ethics, appropriate playing styles, knowledge of repertoire, competence and artistry are part of the experience. Rehearsal outside of class is expected. Membership is open to all students who have prior experience playing a string instrument and reading music.
- 290. Concert Choir 0-2 Hours**  
Musical skills and artistry are developed as the Concert Choir prepares choral literature from all periods for performance on campus, in the community and on tour. Membership is by audition during the registration period. Rehearses three times per week.
- 291. Brass Ensemble 0-1 Hour**  
The Brass Ensemble performs music from all periods and emphasizes sound, musicality and individual skills. Performances include Bethel campus and community events. (Offered on demand.)
- 293. Handbell Choir 0, 0.5, 1 Hour**  
The Handbell Choir is open to students who wish to learn the performance techniques and styles of handbell ringing. (Offered on demand.)
- 295. Concert Band 0-2 Hours**  
The Concert Band performs a broad base of literature with an emphasis on

ensemble sound and individual technique. Rehearses one and one-half hours per week.

- 296. Vocal Ensemble 0-1 Hour**  
The Collegians, Voices of Triumph and other vocal ensembles (as voices are available). These ensembles perform in chapel, on campus and in the community.
- 297. Instrumental Ensemble 0-1 Hour**  
Jazz Combo, Flute Ensemble, String Quartet, and other instrumental ensembles (as instruments are available). These ensembles perform in chapel, on campus and in the community. **E**
- 298. Women's Chorale 0-2 Hours**  
Musical skill and artistry are developed as the Women's Chorale prepares literature especially written or arranged for ladies' voices. Membership is by audition during the registration period. Rehearses two times per week.
- 299. Percussion Ensemble 0-1 Hours**  
The Percussion Ensemble performs music that reflects the great diversity of percussion instruments. These include traditional concert percussion, mallet instruments and hand-drumming. Rehearses once per week.

## **MUSIC LITERATURE & HISTORY (MULH)**

- 243. Music of the Middle Ages & Renaissance 3 Hours**  
A study of the development of music in the Middle Ages and Renaissance.  
**Prerequisite:** MUTH 122.
- 244. Music of the Baroque & Classical Periods 3 Hours**  
A study of the development of western music in the Baroque and Classical periods (1600-1825).
- 341. Music & Worship 3 Hours**  
A study of the nature of worship and the function of music in corporate worship. A survey of church music from historical and pragmatic perspectives, including hymnology and liturgy. Identical to MIN 345.
- 343. Music of the Romantic Era 2 Hours**  
A study of the development of western music during the Romantic era (1825-1910). **Prerequisite:** MUTH 122.

- 344. Music of the Twentieth Century** 2 Hours  
A study of the development of western music during the twentieth century.  
**Prerequisite:** MULH 343
- 345. Vocal Literature** 2 Hours  
A study of music literature for voice in French, German, Italian, English and American. To include songs and arias written before 1760 and art songs from the Classical period to the 20th Century.  
**Prerequisite:** MUAP 171.
- 346. Piano Literature** 2 Hours  
A study of advanced piano works of important composers from the Baroque to the present periods. Consideration is given to stylistic, musical and technical elements.
- 448. Independent Study in Music** 1-3 Hours  
An opportunity for research and study in the field of music. Only open to music majors and minors. May be repeated for credit. **Prerequisite:** Permission from instructor.

## **MUSIC THEORY (MUTH)**

- 121. Elements of Music** 3 Hours  
Introductory study of music theory and the raw materials and terminology within music. Intended primarily as an orientation course for music majors and minors; open to others.
- 122. Music Theory I** 3 Hours  
Elementary harmony. Review of notation of pitch, duration, intervals, scales and key signatures. Introduction of triads, seventh chords, part-writing, figured bass, cadences, non-harmonic tones and chord inversions. Basic keyboard harmony. **Music majors must take this concurrently with MUTH 123. Prerequisite:** MUTH 121.
- 123. Sight-Singing/Ear-Training I** 1 Hour  
Development of aural skills through melodic, harmonic and rhythmic studies. Covers intervals, scales, triads, simple harmonics, progressions and melodies. **Music majors must take this concurrently with MUTH 122. Prerequisite:** MUTH 121.
- 221. Music Theory II** 3 Hours  
Intermediate harmony. Study of diatonic seventh chords, part-writing, secondary chords and modulation. Introduction to simple formal structures. Includes keyboard harmony. **To be taken concurrently with MUTH 222. Prerequisite:** MUTH 122.
- 222. Sight-Singing/Ear-Training II** 1 Hour  
Continuation of Sight-Singing/Ear-Training I. Introduction of more complex melodies and rhythms. Two-voice, melodic and four-part dictation. **Music majors must take this concurrently with MUTH 221. Prerequisite:** MUTH 123.
- 223. Music Theory III** 3 Hours  
Advanced theory. Study of extended tertian sonorities and chromatic harmony. Introduction to composition. Includes keyboard harmony, sight-singing and ear-training. **Prerequisite:** MUTH 221.
- 321. Form & Analysis** 2 Hours  
Introduction of analytical method and development of analytical skills through study of typical musical forms of the 18th and 19th centuries. **Prerequisite:** MUTH 223.
- 322. Orchestration** 2 Hours  
Introduction to the instruments of the orchestra and band, study of orchestration techniques and scoring for small instrumental ensembles and orchestra. Offered as a private tutorial. **Prerequisite:** MUTH 221.
- 323. Choral Arranging** 2 Hours  
Study of styles and techniques used in arranging for various types of vocal ensembles. **Prerequisite:** MUTH 221.
- 324. Special Studies in Theory** 2 Hours  
Advanced and detailed independent studies in music theory. To be arranged with instructor. For upper-class majors. Requires written permission of instructor and private tutorial fee.
- 325. Music Composition I** 1-2 Hours  
Private study. Introduction to techniques of composition. Emphasis on composition of works for piano, voice or chamber ensembles. Requires private lesson fee. (Offered on demand.) **Prerequisite:** Permission of instructor.
- 425. Music Composition II** 1-2 Hours  
Private tutorial. Advanced studies in composition. Emphasis on composition of works for large instrumental ensembles. Requires private lesson fee. (Offered on demand.) **Prerequisites:** MUTH 223, 322 and written permission of instructor.

## NATURAL SCIENCE (NS)

### 110. Environmental Science 4 Hours

This class is a basic introduction to the biological world through the interdisciplinary focus of Environmental Science. Topics to be addressed are: ecosystem and community ecology and management, biodiversity, pollution, energy conservation, species conservation, nature reserves and population dynamics.  
**Lab:** NS 110L

### 200. Science & Faith Seminar 1 Hour

This seminar series is a special seminar for students and faculty to interact on a regular basis on issues of faith and science. Topics may vary from semester to semester; may be organized around particular themes, or be based on short-term assessment of the professional literature. May be repeated.

### 201. Special Topics in the Natural Sciences 1-4 Hours

A study of a special topic in the sciences. Topics may vary from semester to semester and will pertain to scientific disciplines. They may be organized around particular themes, or be taught as seminars involving both faculty and students, or be based on short-term assessment of the professional literature. May be repeated for credit.

### 211. Nutrition ADN & BSN 3 Hours

A comprehensive study of the nutrients in food and how the body utilizes these to promote growth and wellness. Normal nutrition, nutrition throughout the life cycle and diet-oriented clinical nutrition units promote the student's knowledge and understanding of appropriate food-related behaviors. This course is oriented to the nursing and health-related major. **Prerequisite:** BIOL 215.

### 250. Survey of Astronomy 3 Hours

A survey of the characteristics, composition and structure of the extraterrestrial universe, with emphasis on the physical laws which govern its behavior. Current space projects are discussed. No lab (this course does not meet lab-based general studies requirements).

### 251. Astronomy 4 Hours

A study of the characteristics, composition and structure of the extraterrestrial universe, with emphasis on the physical

laws which govern its behavior. Current space projects are discussed. Three lectures and several hours of laboratory and observations each week. **Lab:** NS 251L

### 291. Physical World 4 Hours

This course serves to acquaint primarily nonscientists with basic scientific principles governing our world, how new understanding is gained through the process of the scientific method, and several key contributions of outstanding scientists in the areas of motion, heat, sound, electricity, light, atoms, nuclei, chemistry, geology and of the entire universe. Basic algebra is assumed and some quantitative problem solving is included. Emphasis is placed on responsible use of physical resources and how our worldview is influenced by discoveries in physical science. **Lab:** NS 291L

### 333. Scientific Research Methods 3 Hours

This course will be a combination of four main themes: (1) technical and scientific writing; (2) introduction to research methods, journals and procedures; (3) review of the recent scientific research in their major area of interest; and (4) covering strategies to be successful during college and after leaving (preparing resumes, GRE, looking for graduate schools, job hunting, etc.) The student will be expected to produce both written and oral research reports.

## NURSING (NUR)

### 090. Strategies for Nursing Success 1 Hour

This course is for pre-nursing or nursing majors to develop strategies for strengthening study skills and to identify positive coping mechanisms to balance personal and academic stressors. The course is required for students who do not meet certain criteria. Credit hour does not count toward graduation.

### 111. Nursing Fundamentals (ADN) 6 Hours

This course emphasizes basic nursing concepts and incorporates the development of conceptual skills needed for therapeutic nursing interventions for culturally diverse individuals. Focus is placed on providing a solid foundation of technical and interpersonal skills. The nursing process is introduced including

application to nursing care using clinical and laboratory settings. This course has three hours of class and nine hours of clinical each week. **Lab:** NUR 111L

- 112. Nursing I (ADN) 7 Hours**  
This course focuses on the care of culturally diverse individuals with emphasis on stressors that may interrupt the physiological and psychosocial integrity of individuals. Concentration is placed on use of the nursing process in the care of individuals in acute medical-surgical and psychiatric/mental health settings. This course has three hours of class and 12 hours of clinical each week.  
**Lab:** NUR 112L **Prerequisites:** NUR 111, BIOL 214, PSYC 182.  
**Co-requisites:** CHEM 150, BIOL 215.

- 114. Transition to ADN Nursing (ADN) 6 Hours**  
This course provides for the transition of the LPN to the ADN program. An overview of the nursing process and care of culturally diverse individuals is given. There is concentration on care of individuals with selected medical-surgical illnesses as well as clinical experience in psychiatric/mental health settings. The course has a total of 60 hours of classroom and 90 hours of clinical in 10 weeks. **Prerequisite:** BIOL 215, PSYC 182, ENGL 101, CHEM 150, PSYC 288. NLN Challenge Exam I passed at 50 percentile or higher. Permission of instructor.

- 121. Medical Terminology 1 Hour**  
This course introduces the student to basic medical terminology and provides a format for building a working knowledge of medical terms. This course has scheduled class and independent study assignments. The course is available to any Bethel student.

- 122. Math for Meds (ADN or BSN) 1 Hour**  
This course introduces the mathematical principles of dosage and drug calculations needed for medication administration in nursing. This course has two hours of class for seven weeks. The course is available to any Bethel student.

- 124. Nursing Perspectives (BSN) 1 Hour**  
This course introduces the student to the profession of nursing. It encourages the student to evaluate personal life goals with reference to the responsibility of the professional nurse before com-

mitting themselves to the career of nursing. This course has one hour of class each week and is open to any Bethel student.

- 127. Spanish Medical Terminology 2 Hours**  
This course is geared toward individuals working or majoring in health-related areas. The course focuses on the vocabulary needed for the workplace, the grammar to complete the basic skills sequence and task-based practical skills. This course has two hours of class each week. **Prerequisite:** Permission of instructor.

- 211. Nursing II (ADN) 7 Hours**  
This course focuses on nursing care of culturally diverse individuals and families throughout the life cycle. Emphasis is placed on caring for the childbearing family and adults with medical-surgical illnesses. Students use knowledge of the nursing process and growth and development as a conceptual basis for nursing care. Clinical experiences are provided in acute care and community settings. This course has three hours of class and twelve hours of clinical each week. **Lab:** NUR 211L **Prerequisites:** NUR 112, BIOL 215, PSYC 288, ENGL 101, NUR 114 (for LPN to ADN), CHEM 150. **Concurrent:** BIOL 312.

- 212. Nursing III (ADN) 8 Hours**  
This course applies the nursing process in the care of culturally diverse, critically ill individuals, children and their families. Leadership and management concepts are incorporated in the care of multiple individuals. Clinical experiences are provided in acute care and community-based settings. This course has three hours of class and an average of 15 hours of clinical each week. **Lab:** NUR 212L **Prerequisites:** NUR 211, NS 211, BIOL 312, NUR 241. **Concurrent:** NUR 228, NUR 229. **Co-requisite:** NUR 224, COMM 171, SOC 151.

- 220. Health Assessment (BSN) 3 Hours**  
This course develops the skills necessary to perform an adult health assessment. The interpretation of data and integration of biological, psychological and social concepts are included. This course has three hours of class each week. Practice (LPN students excluded) sessions are incorporated into class sessions. **Prerequisite:** NUR 231.

**221B/421B. Nursing Informatics 3 Hours**

This course is designed to prepare students to use technological innovations to enhance clinical practice, research and information management. This is an entirely virtual class with no “classroom attendance.” The instructor will have office hours on the Internet. The course is open to any Bethel nursing student.

**224. Pharmacology (ADN or BSN) 3 Hours**

This course provides a systematic classification of drugs as the basis for the use of current and new pharmacotherapeutic agents. Content is organized according to systems and therapeutic use with focus on nursing implications and use of the nursing process. This course has three hours of class each week. **Prerequisites:** BIOL 215, CHEM 150, NUR 112, or NUR 231.

**227. Introduction to Community-based Care (BSN) 1 Hour**

This course introduces the student to the concepts pertinent to community-based health care. It provides the basis for student practice when caring for individuals and families across the life span outside the acute care setting. This course has two hours of class a week for seven weeks. **Prerequisite:** NUR 231.

**228. Nursing Roles and Perspectives (ADN) 2 Hours**

This course focuses on the transition to the role of a provider of care and manager of care within the profession of nursing. The historical development of nursing as a profession is examined. Legal, ethical and moral issues affecting the nurse are explored within a Christian context. This course has two hours of class each week. **Prerequisite:** NUR 211. **Concurrent:** NUR 229, NUR 212

**229. Clinical Critical Problem Solving 1 Hour**

This course involves application of critical thinking to clinical problem solving. Computer exercises enhance classroom presentation. This course has one-and-one-half hours of seminar each week. **Concurrent:** NUR 228, NUR 212

**231. Nursing Fundamentals (BSN) 6 Hours**

This course emphasizes basic nursing concepts and incorporates the development of conceptual skills needed for

therapeutic nursing interventions for culturally diverse individuals. Focus is placed on providing a solid foundation of technical and interpersonal skills. The nursing process is introduced including application to nursing care using clinical and laboratory settings. This course has three hours of class and nine hours of clinical each week. **Lab:** NUR 231L

**Prerequisites:** Acceptance in Nursing program. PSYC 182, PSYC 288, CHEM 150, COMM 171, BIOL 215, ENGL 101.

**232. Nursing of Individuals (BSN) 8 Hours**

This course places emphasis on medical-surgical nursing concepts and their application to clinical practice with culturally diverse individuals. Emphasis is placed on implementing the nursing process in the care of adults in acute care settings and nursing care of the elderly. This course has four hours of class and 12 hours of clinical each week. **Lab:** NUR 232L **Prerequisite:** NUR 231, BIOL 312.

**241. Nursing of the Older Adult (ADN) 1 Hour**

This course focuses on health promotion/protection concepts for older adults. This course has 2 hours of class for seven weeks as scheduled. **Prerequisite:** NUR 112 or NUR 114. **Concurrent:** NUR 211.

**294/494. Independent Study 1-3 Hours**

This course provides an opportunity for independent exploration of literature and resources to further advance nursing knowledge in a specialized area. The student develops an independent study plan under the direction of a faculty member (TBA). NUR 294 may be taken by ADNs. NUR 494 may be taken by BSNs. Both may be repeated for up to six hours credit. **Prerequisite:** Permission of instructor.

**301. Writing for Nursing Publication 2 Hours**

This course provides an opportunity to increase knowledge and skills in professional writing in nursing. Students are assisted to develop a manuscript, to prepare it for publication and submit the manuscript to an appropriate nursing journal. This course has one-and-one-fourth hours of class scheduled for six weeks with individual sessions to be announced.

- 313. Nursing of Mental Health Issues in Families** **4 Hours**  
This course focuses on the care of culturally diverse individuals and families throughout the life cycle. The nursing process is used to provide nursing care in psychiatric/mental health settings. This course has three hours of class a week and 15 hours of clinical each week for half of the semester. **Lab:** NUR 313L  
**Prerequisites:** NS 211, SOC 151.  
**Concurrent:** NUR 322.
- 315. Nursing of Children & Their Families** **4 Hours**  
This course focuses on the care of culturally diverse individuals and families throughout the life cycle. The nursing process is used to provide nursing care in child-health settings. This course has three hours of class a week and 15 hours of clinical each week for half of the semester. **Lab:** NUR 315L.  
**Prerequisites:** NS 211, SOC 151.  
**Concurrent:** NUR 322.
- 316. Nursing of the Critically Ill & Their Families** **4 Hours**  
This course focuses on the care of individuals and families experiencing life-threatening events. The nursing process is used to provide care for those experiencing critical illness and their families. This course has three hours of class a week and 15 hours of clinical each week for half of the semester. **Prerequisites:** NUR 313, NUR 315.
- 317. Nursing of Maternal/Infant Families** **4 Hours**  
This course focuses on the care of individuals and families experiencing life-changing events. The nursing process is used to provide care for childbearing families. This course has three hours of class a week and 15 hours of clinical each week for half of the semester. **Prerequisites:** NUR 313, NUR 315.
- 322. Nursing Theory (BSN)** **3 Hours**  
This course explores nursing conceptual models, nursing theories and nonnursing theories that may be applied to nursing practice. Nursing theories are compared to a Christian worldview. This course has three hours of class each week.  
**Prerequisites:** NUR 220, NUR 224, NUR 227, NUR 232.
- 323. Nursing Issues (BSN)** **3 Hours**  
This course explores historical, legal, ethical, moral, spiritual and current issues in nursing and the role of the professional nurse. This course has three hours of class each week.  
**Prerequisites:** NUR 322.
- 352. International Nursing Experience** **3 Hours**  
This course provides students opportunities to study and practice nursing in an international setting. The length of time in the international setting will be approximately ten days to three weeks. The experiences include some nursing activities usually in a public health setting, and will also provide additional cultural activities and field trips.  
**Prerequisites:** RN or NUR 111 and NUR 112 or NUR 231 and NUR 232.
- 361. International Health Seminar** **1-2 Hours**  
This course explores the area of international health in terms of important health issues, the economic, political and social factors influencing these issues, and the resources available to address these issues. Attention will be given to appropriate responses by the Christian community. This course has five class sessions of three hours each (one credit). Students may contract for a second hour of credit (TBA). This course is open to any Bethel student.
- 362. Women's Health** **3 Hours**  
This course provides a comprehensive overview of contemporary women's health topics and a structure for informed personal decision making. This course has three hours of class each week. This course is available to any Bethel student.
- 363. Spiritual Care & Health Care** **3 Hours**  
This course explores the facets of spiritual care in today's health care system. This course has three hours of class each week. This course is open to any Bethel nursing student.
- 380. Health Assessment (BSN Completion)** **3 Hours**  
This course refines and enhances skills necessary to perform total health assessment of the individual in a variety of settings. It places emphasis on the intellectual abilities and skills necessary to collect and interpret objective data, utilizing knowledge synthesized from

the biological, psychological and social sciences. This course has four hours of class for seven weeks. Practice sessions are incorporated into class sessions. **Corequisite:** NUR 381.

**381. Transition to Professional Nursing (BSN Completion) 3 Hours**

This course provides a bridge for the associate degree or diploma nurse to baccalaureate nursing education and practice. This course has four hours of class for seven weeks.

**Prerequisite:** Admission to BSN Track II.

**382. Nursing Theory (BSN Completion) 3 Hours**

This course explores nursing conceptual models and nursing theories and non-nursing theories that may be applied to nursing practice. Nursing theories are compared to a Christian worldview. This course has four hours of class for seven weeks. **Prerequisites:** NUR 381.

**383. Nursing Issues (BSN Completion) 3 Hours**

This course explores historical, legal, ethical, moral, spiritual and current issues in nursing and the role of the professional nurse. This course has four hours of class for seven weeks.

**Prerequisite:** NUR 382.

**411. Nursing in the Community (BSN) 7 Hours**

This course emphasizes community-based and population-focused approaches to health promotion. Concepts and theories of contemporary community health nursing are applied in a variety of community settings. This course has three hours of class and 180 hours of clinical in the semester. **Lab:** NUR 411L **Prerequisites:** NUR 323, NUR 425.

**413. Nursing Management (BSN) 7 Hours**

This course focuses on the acquisition and application of management skills and leadership qualities. It emphasizes assessment, decision making, collaboration and coordination in the management of care. Synthesis of previous learning is expected. This course has three hours of class and 180 hours of clinical in the semester. **Lab:** NUR 413L **Prerequisite:** NUR 411. **Concurrent:** NUR 426.

**422a. Nursing Research I (BSN) 3 Hours**

This course examines essential con-

cepts, principles, theories and techniques used in the research process. The evaluation of current nursing research and its potential for use in clinical practice is a central focus. Students are assisted in the development of a realistic nursing research proposal. This course has three hours of class each week. **Prerequisites:** NUR 323, MATH 111, Computer Elective.

**422b. Nursing Research I (BSN Completion) 3 Hours**

This course examines essential concepts, principles, theories and techniques used in the research process. The evaluation of current nursing research and its potential for use in clinical practice is a central focus. Students are assisted in the development of a realistic nursing research proposal. This course has four hours of class for seven weeks. **Prerequisite:** MATH 111. **Concurrent:** NUR 382.

**423a. Nursing Research II (BSN) 1 Hour**

This course enables the student to coordinate research activities and implement the research proposal that was developed in Research I. Data collection, statistical analysis and presentation of findings are the major components of this course. (Hours TBA) **Prerequisites:** NUR 422a.

**423b. Nursing Research II (BSN Completion) 1 Hour**

This course enables the student to coordinate research activities and implement the research proposal that was developed in Research I. Data collection, statistical analysis and presentation of findings are the major components of this course. (Hours TBA) **Prerequisites:** NUR 422b.

**425. Nursing Care & Health Promotion of the Older Adult 2 Hours**

This course focuses on the role of the nurse in health promotion, health protection and successful aging for the older adult. **Prerequisites:** NUR 313, NUR 315.

**426. Clinical Problem Solving (BSN) 1 Hour**

This course involves application of critical thinking to clinical problem solving. Computer exercises enhance classroom presentation. This course has one-and-one-half hours of seminar each week. **Concurrent:** NUR 413.

- 471. Nursing Management (BSN Completion) 6 Hours**  
This course focuses on the acquisition and application of management skills and leadership qualities. It emphasizes assessment, decision making, collaboration and coordination in the management of care. Synthesis of previous learning is expected. This course has four hours of class for seven weeks and completion of a management project. **Prerequisite:** NUR 380, NUR 381, NUR 382.
- 473. Nursing in the Community (BSN Completion) 6 Hours**  
The course emphasizes community-based and population-focused approaches to health promotion. Concepts and theories of contemporary community health nursing are applied in a variety of community settings. This course has four hours of class for seven weeks and completion of a community project. **Prerequisite:** NUR 423b, NUR 471.
- 483. Community Health Seminar (BSN Completion) 3 Hours**  
This course involves application of theories of community health assessment as well as completion of an assessment of a selected community. (Hours TBA)  
**Corequisite:** NUR 473.
- 494. Independent Study in Nursing 1-3 Hours**  
See description under NUR 294/494. Permission from instructor.

## **ORGANIZATIONAL MANAGEMENT (ORGM)**

- 220. Communications 3 Hours**  
This course covers:
1. Basic grammar and writing skills.
  2. General concepts of small computer components and operation. The material presented covers computer composition (parts), how to use the Microsoft DOS operating system and how to use the Microsoft Windows menu program.
  3. Concepts that make for effective communication in personal and social relationships. The exercises will deal with verbal and nonverbal communication and constructive feedback.

- 300. Biblical Perspectives for Managers 3 Hours**  
An overview of the historical, literary and religious dimensions of the Bible. Students examine biblical faith and the integration of faith, learning and living. Biblical models and styles of leadership are examined for the purpose of better understanding how faith may affect one's leadership in the workplace environment.
- 320. Accounting for Managers 4 Hours**  
An analysis of a series of concepts which are designed to help interpret and research financial statement information. Some of the concepts covered will include.
1. Reinforcing basic accounting concepts.
  2. Introducing ratio, trend analysis and common sized financial statements.
  3. Reviewing the recording of transactions.
  4. Being familiar with the rules of recognizing revenue.
  5. Understanding inventory methods.
  6. Calculating depreciation, amortization and sale of capital assets.
  7. Accounting for liabilities.
  8. Measuring stockholders' equity.
- 333. Managerial Finance 4 Hours**  
An overview of financial tools available to the manager in decision making. Includes a study of income statements, balance sheets, cash flow budgets, changes in financial position and ratio analysis. Emphasis is on reading and understanding accounting and financial documents rather than upon their preparation.
- 349. Statistical Methods & Research 3 Hours**  
Problem analysis and evaluation techniques are presented. Students are shown methods of defining, researching, analyzing and evaluating a problem in their work or a vocational environment. Specific statistical information presented includes identifying and measuring objectives, collecting data, working with significance levels, analyzing variance and constructing questionnaires.
- 401. Principles of Management & Supervision 3 Hours**  
An examination of motivational theory and its application to individual and

group functioning in work and home situations. Leadership styles related to particular circumstances are analyzed. Negotiation is explored through readings and class practice, with an analysis of the effect on productivity.

- 403. Business Ethics 3 Hours**  
 Several major ethical theories are reviewed. Students are asked to examine personal values through readings and workplace analysis to formulate a management philosophy incorporating business ethics, government accountability, human rights and a responsible lifestyle in the contemporary world.
- 430. Human Resources Administration 3 Hours**  
 An exploration of the values and perceptions of selected groups affecting social and economic life through an analysis of policies and practices of recruitment, selection, training, development and compensation of employees. Special attention is given to federal legislation through a series of case studies and simulations.
- 433. Managerial Economics 4 Hours**  
 A study of principles of economics necessary to equip managers and supervisors for effective decision making and leadership. Special consideration is given to the effects of the internationalization of our economy. Specific economic concepts are applied to problem solving in the manager's workplace.
- 452. Group & Organizational Behavior 3 Hours**  
 A study of group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on decision making and resolving conflict in groups. Students develop strategies for efficient and productive group management and determine which tasks are handled by groups or individuals.
- 454. Systems Management 3 Hours**  
 Students examine the formal and informal functions of organizations and analyze an agency or organization based on a systems model. Students also analyze and solve organizational problems, using a step-by-step method.

**PHYSICAL EDUCATION & HEALTH (PHED)**

Physical Education Requirements: Students in the B.A. degree program are required to complete two semester hours of activity courses. Students in the A.A. degree program are required to complete one semester hour of activity courses. Not more than one course may be repeated for credit, unless an exception is made by request of a student's physician.

**Activity Courses (Not applicable to Physical Education majors or minors):**

- 100. Lifelong Physical Awareness 1/2 Hour**  
 This course is designed to help students identify the essential physical and nutritional components of personal health maintenance. A variety of assessments will determine students' current physical health and eating habits, leading to discussion of possible lifestyle improvements. *Required of all students.*
- 112. Volleyball 1/2 Hour**
- 113. Bowling 1/2 Hour**
- 114. Tennis 1/2 Hour**
- 115. Golf 1/2 Hour**
- 116. Basketball 1/2 Hour**
- 118. Softball 1/2 Hour**
- 119. Downhill Skiing 1/2 Hour**
- 120. Cross-Country Skiing 1/2 Hour**
- 122. Soccer 1/2 Hour**
- 123. Baseball 1/2 Hour**
- 124. Aerobics 1/2 Hour**
- 128. Physical Fitness 1/2 Hour**
- 130. Racquetball 1/2 Hour**
- 131. Community First Aid & CPR 1/2 Hour**
- 132. CPR 1/2 Hour**
- 133. Cross-Country Track 1/2 Hour**
- 134. Badminton 1/2 Hour**
- 135. Weight Training I 1/2 Hour**
- 136. Weight Control I 1/2 Hour**
- 137. Scuba 1 Hour**  
 Theory and practice of SCUBA. Course demands good swimming techniques and good physical condition. Leads to lifelong YMCA certification. Lab fee plus the cost of open water dives.
- 138. Hiking and Trekking 1/2 Hour**  
 This course is specifically designed for students who are enrolled in an interna-

tional/cross-cultural semester. A student must complete a minimum of sixteen hours of participation in a hiking/trekking adventure.

- 166. Foundations of Physical Education** **3 Hours**  
An introduction to the historical development of physical education and its growth and continuing role in the modern school and society. Emphasis is placed on the aims and objectives, scientific basis, curriculum development and career opportunities.
- 168. Team Sports** **2 Hours**  
A study of sports and recreation activities with emphasis on mastery of performance skills, teaching methods and techniques, and designing of unit and lesson plans. Includes lab. Available as an elective only by approval of PE Department Head. **Prerequisite:** Physical Education majors only or by permission of instructor.
- 169. Conditioning & Individual Sports** **2 Hours**  
A continuation of the study of sports and recreation activities with emphasis on mastery of performance skills, teaching methods and techniques and designing of unit and lesson plans. Includes lab. Available as an elective only by approval of PE Department Head. **Prerequisite:** Physical Education majors only or by permission of instructor.
- 243. History & Philosophy of PE/Sport** **3 Hours**  
The study of the historical development and philosophy of physical education, sport, fitness, wellness and health. Emphasis will be placed on the development of a personal philosophy of physical activity and sport.
- 250. Rhythmic Activities** **1 Hour**  
A study of basic rhythmic activities for children beginning with rhythmic games, basic steps, culminating with folk and square dance. Emphasis on performance mastery and techniques for teaching children.
- 251. Introduction to Gymnastics** **1 Hour**  
A study of the basic skills of gymnastics with emphasis on mastery of performance and techniques for spotting and teaching.
- 252. Fitness/Wellness** **1 Hour**  
Establishment of "lifespan" fitness behavior will be stressed. A variety of fitness and wellness topics will be discussed including nutrition and weight management, aerobic exercise, six dimensions of wellness, cardiovascular dynamics and stress reduction.
- 253. Elementary Health & PE Methods** **3 Hours**  
Healthy lifestyle instruction of the elementary school child. Meets practical needs of the teacher of elementary school children. Emphasis on perceptual and motor development, exercise, appropriate diet, safety, teaching methods and integrative school curriculum. Field experience included.
- 262. Lifeguard** **2 Hours**  
Theory and practice of advanced swimming, and coping with emergencies in and around water activities. Course demands good swimmers in top physical condition. Must be certified in or enrolled in CPR and Standard First Aid. Lab fee includes books.
- 263. Water Safety Instructor** **2 Hours**  
A course taught by the American Red Cross. Leads to WSI certification. Course demands good swimming techniques and being in good physical condition. Includes required Introduction or Instructor Candidate Training Certification. Must pass pre-test qualifications before start of course. **Prerequisite:** PHED 262 or a valid Senior Lifesaving Certificate. Lab fee includes books.
- 268. Introduction to Health** **3 Hours**  
The study of community and school health programs, services and environments. Discusses the need for coordination and cooperation between these various programs. Includes drug education, AIDS and other communicable diseases education, and wellness issues and programs.
- 269. Athletic Training** **3 Hours**  
A study of the causes, prevention and care of athletic injuries.
- 281. Substance Abuse** **2 Hours**  
A study of the use, misuse and abuse of drugs in our society. Topics include the historical roots of substance abuse, classification of drugs, legal and moral issues of drug use, substance abuse education, intervention programs and addiction treatment programs.

- 282. Applied Nutrition 3 Hours**  
This course is a study of the essential nutrients, their relationship to one another, and their functions within the human body. These facts will be viewed from the perspective of an individual's diet at all ages, people's food habits, effect on athletic performance, and disease prevention. Various forms of literature relating to health and nutrition will be analyzed.
- 340. Sociology of Sport 3 Hours**  
Sport is examined in societal, institutional, organizational and interpersonal contexts. Pertinent issues, theories and research applications will be considered in the pursuit of a scholarly understanding of sport from a sociological perspective.
- 349. Motor Behavior 3 Hours**  
Studies the physical and mental processes in motor skill acquisition. Examines the factors which enhance or detract from physical performance.
- 351. Developmental Differences in Physical Education 3 Hours**  
A study of the developmental disabilities of school age children and the motor development patterns of the various handicapping conditions. Includes an introduction to Public Law 94-142 and mainstreaming as it affects the teaching of developmentally delayed students in physical education classes.
- 357. Analysis of Coaching Cheerleading 2 Hours**  
A study of the techniques of the basic and advanced skills and routines of the various events in cheerleading. Safety, spotting techniques, fundamentals, conditioning, equipment and techniques of coaching are included. (Offered on demand.)
- 358. Coaching of Gymnastics 2 Hours**  
A study of the techniques of the basic and advanced skills and routines of the various events in both men's and women's gymnastics. Rules, safety, spotting technique, fundamentals, scheduling, conditioning, care and choice of equipment and techniques of coaching are included. (Offered on demand.)
- 359. Analysis of Coaching Individual Sports 2 Hours**  
Skills and strategies of the sports of badminton, bowling, golf and tennis. Rules, fundamentals, scheduling, conditioning, scouting, equipment and techniques of coaching are included. (Offered on demand.)
- 360. Analysis of Coaching Baseball 2 Hours**  
This course includes theory and fundamentals of playing each position. Offensive and defensive situations, along with building and maintaining a baseball field are also presented.
- 361. Analysis of Coaching Basketball 2 Hours**  
A study of individual fundamentals, along with offensive and defensive team play. Conditioning, scheduling, care of equipment, philosophy and public relations are also presented.
- 362. Analysis of Coaching Soccer 2 Hours**  
A study of fundamentals, techniques, defensive and offensive play, formations, equipment, theory and modern trends.
- 363. Analysis of Coaching Softball 2 Hours**  
This course includes theory and fundamentals of playing each position. Offensive and defensive situations, along with building and maintaining a softball field are also presented.
- 364. Analysis of Coaching Track 2 Hours**  
Coaching methods of track and field activities are discussed with demonstrations of technique and proper form for each. Further study is made in the purchasing and care of equipment, scheduling, and management of track and field meets.
- 365. Analysis of Coaching Volleyball 2 Hours**  
A study of offensive and defensive play with emphasis on modern trends. Rules, fundamentals, scheduling, conditioning, scouting, care and choice of equipment and techniques of coaching are included.
- 368. Psychology of Sport & Exercise 3 Hours**  
Selected psychological and related theoretical factors that influence behavior of individuals participating in sport and physical exercise. **Prerequisite:** PSYC 182.
- 459. Sport Management 3 Hours**  
Focuses on the theory and application of management to sport, exercise and play. Attention is given to business

objectives, service, leadership, law and organizational structure.

- 460. Administration & Organization of Physical Education & Recreation 3 Hours**  
The basic principles of administration and organization of physical education, athletic relationships, care and purchase of equipment, finances, public relations, facility planning and management, and supervision.
- 461. Assessment in Human Performance 3 Hours**  
An introduction to evaluation in physical education. Emphasis will be placed on sports skills tests and measurement of physical fitness and motor abilities. Some emphasis will be on written tests appropriate to physical education.  
**Prerequisite:** MATH 111.
- 462. Physiology of Exercise 3 Hours**  
Physiological principles based on the adjustment of the human body during exercise are studied, with emphasis placed on neuro-muscular activity, circulation, respiration, metabolism, fatigue and physical fitness. **Prerequisite:** BIOL 115 or BIOL 214.
- 463. Kinesiology 3 Hours**  
An analysis of human movement based on anatomic and mechanical principles. Emphasis is given to the application of these principles to the understanding of athletic performance. **Prerequisite:** BIOL 115 or BIOL 214.
- 464. Practicum in Physical Education 1-4 Hours**  
An opportunity for the student to apply athletic or physical education principles in practical experience situations under the supervision of a college-approved organization. (Only open to P.E. majors or minors.) **Prerequisite:** Permission from instructor.
- 468. Independent Study in Physical Education 1-4 Hours**  
This course is designed to give physical education students an opportunity to study an area of physical education utilizing the research methods. (Only open to P.E. majors or minors.) Repeatable.  
**Prerequisite:** Junior standing.
- 470. Internship in Sport Management 3 Hours**  
This course is designed to give Sport Management majors a field experience

in sport management. The students will work with and under the supervision of an area sport management professional for three to six hours per week for a semester. This course is open to junior and/or senior students enrolled in the Sport Management program.

## **PHILOSOPHY (PHIL)**

- 150. Logic & Critical Thinking 2 Hours**  
The course is a study of the laws of thought. Introductory concepts of formal logic will be presented such as truth tables, sentential logic, validity, soundness, and necessary and sufficient conditions. Work will be done both with the manipulation of logical symbols and with plain English arguments. Also, informal logical fallacies will be identified and evaluated.
- 250. Introduction to Philosophy 3 Hours**  
A general introduction to the traditional problems of philosophy. Care will be taken to assess the various solutions which have been offered to the problems and to understand the import of such solutions for the Christian worldview. Students will be exposed to some of the classic texts in the history of philosophy.
- 301. Symbolic Logic 3 Hours**  
An introduction to modern formal logics, including propositional and first order predicate logic. Attention will also be given to assumptions underlying different kinds of logical analysis.
- 310. Ancient & Medieval Philosophy 3 Hours**  
A survey of philosophy from early Greece through the Renaissance, emphasizing the primary sources of Plato, Aristotle, Augustine and Aquinas.
- 311. Modern Philosophy 3 Hours**  
A survey of philosophy of the seventeenth and eighteenth centuries, concentrated on primary sources of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant.
- 312. Nineteenth & Twentieth Century Philosophy 3 Hours**  
A survey of the philosophy of the nineteenth and twentieth centuries, concentrated on the primary sources of Hegel, Marx, Kierkegaard, Nietzsche and the two strands of twentieth century philosophy: continental and analytic philosophy.

- 313. Major Philosophers 3 Hours**  
A study in the thought and works of a single philosopher who has been highly influential in the history of philosophy. For example, Plato, Aristotle, Aquinas, Descartes, Kant, Heidegger. May be repeated for credit.
- 321. Ethics & Value Theory 3 Hours**  
An examination of the primary ethical theories. Emphasis is placed on Christian ethics in a social context. Aesthetics and other value theory topics may also be included.
- 330. Theory of Knowledge 3 Hours**  
An examination of theories of knowledge. Questions addressed may include: What are the conditions for knowledge? What does it mean to be rational? How does the character of the knower influence knowledge claims? What are the limits of human reason? Are there different ways of knowing?
- 340. Christian Apologetics (cross-listed with THEO 340) 3 Hours**  
The course examines themes in Christian apologetics. Themes may include different apologetic writers, such as C. S. Lewis or Francis Schaeffer; or different apologetic topics, such as arguments for the existence of God or the historicity of scriptural accounts. **Prerequisites:** THEO 110, PHIL 250.
- 341. Metaphysics 3 Hours**  
An examination of traditional topics of metaphysics such as the mind-body problem, freedom and determinism, immortality, God, identity, universals, causation.
- 430. Philosophy of Science 3 Hours**  
Examines the nature of science from a philosophical perspective. Philosophy of science includes questions about the philosophically puzzling aspects of reality as described by scientific theories (e.g., the nature of space and time); but also, and more predominately, it probes into matters concerning the justification, objectivity and assumptions of the scientific enterprise.
- 440. Philosophy of Religion 3 Hours**  
A study of the nature of religion from a philosophical perspective. Philosophy of religion examines the meaning and justification of religious claims. Topics to explore may include: faith and reason, religious language, miracles, the nature of God, religious pluralism.
- 441. Philosophy of Mind 3 Hours**  
Examines the nature of the human mind from a philosophical perspective. While drawing from scientific advances about the function of the brain and from religious sources about the nature of human beings, the question of the human mind is essentially a philosophical one. Topics for study may include: the nature of consciousness, mind-body interaction, life after death.
- 450. Senior Colloquium 1 Hour**  
A seminar approach in which ethical insights are applied to a current problem or issue. Basic Christian perspectives are brought into play. **Prerequisite:** Senior standing and PHIL 250.
- 452. Senior Experience 1 Hour**  
A capstone seminar course in moral philosophy that focuses in part on the relations between virtues, vices and worldviews. **Prerequisites:** Junior standing.
- 460. Independent Study 1-4 Hours**  
A study of some period, topic or philosophical problem of the student's choice. May be repeated for credit. Permission from instructor required.
- 461. Seminar in Philosophy 3 Hours**  
Topics will vary from year to year, including: philosophy of science, philosophy of religion, major philosophers, major schools and time periods. May be repeated.

## **PHYSICS (PHYS)**

- 121. General Physics I 4 Hours**  
A calculus based introductory physics course covering Newtonian mechanics, conservation laws, rigid bodies and extended systems. **Lab:** PHYS 121L **Prerequisite:** MATH 124 or MATH 131 (can be taken concurrently).
- 122. General Physics II 4 Hours**  
A calculus based introductory physics course covering thermal physics, waves and optics. **Lab:** PHYS 122L **Prerequisite:** MATH 124 or MATH 131 (can be taken concurrently).
- 211. Electronics 4 Hours**  
An introduction to electricity and electronics, both from a basic theoretical

viewpoint and from a practical, hands-on perspective, to include the analysis of DC and AC circuits using resistors, capacitors, inductors and semiconductor devices such as diodes, transistors and operational amplifiers. Lab exercises involve circuit modeling and electrical measurements. Three lectures and one two-hour laboratory each week.

**222. General Physics III 4 Hours**  
A calculus based introductory physics course covering electrostatics, dc circuits, magnetism, induction, ac circuits. **Lab:** PHYS 222L **Prerequisite:** MATH 131, and PHYS 121 or PHYS 122

**225. Statics 3 Hours**  
Equilibrium of coplanar and noncoplanar force systems, analysis of forces in rigid systems, friction, centroids and moments of inertia. **Prerequisites:** MATH 132, PHYS 121.

**226. Dynamics 3 Hours**  
Motion of particles; relative motion; kinetics of rotation, translation and motion in a plane; impulse-momentum; work and energy. **Prerequisites:** MATH 132, PHYS 121.

**301. Quantum Physics 4 Hours**  
Topics include special theory of relativity, introduction to quantum theory, the equation, atoms, nuclei and solid state. Three lectures and one three-hour laboratory per week. **Lab:** PHYS 301L **Prerequisites:** MATH 132, PHYS 122.

**310. Thermodynamics 3 Hours**  
Introducing basic concepts and fundamental laws of thermodynamics and some of their applications in engineering and chemistry. Topics of study include kinetic theory, basic concepts of thermodynamics, the first and second laws of thermodynamics, heat engines and refrigerators, thermodynamics potentials and phase transition. **Prerequisites:** MATH 132, PHYS 122.

**327. Solid Mechanics 4 Hours**  
Study of tension, compression, shear, axially loaded members, torsion, shear forces and bending moments, stresses in beams, analysis of shear and strain, plane stress, deflection of beams and buckling. **Lab:** PHYS 327L **Prerequisite:** PHYS 225.

**344. Electricity & Magnetism 3 Hours**  
Electro and magnetostatics, Laplace's

and Poisson's equations, boundary value problems, Maxwell's equations, radiation and multiple fields, electric and magnetic properties of matter. **Prerequisites:** MATH 231, PHYS 122.

**399. Internship in Physics 1-4 Hours**  
Field experience in a selected area of interest, including on-the-job experience and practical training. **Prerequisite:** Permission of instructor.

**421. Independent Study in Physics 1-4 Hours**

## PSYCHOLOGY (PSYC)

**182. General Psychology 3 Hours**  
An introduction to psychological principles and concepts.

**280. History & Systems of Psychology 3 Hours**  
An introduction to the history and systems of psychology. Emphasis is placed on the historical, philosophical and empirical foundations, as well as the present and future directions of the discipline. Career opportunities are also discussed. **Prerequisite:** PSYC 182.

**284. Child Growth & Development 3 Hours**  
The physical, social, emotional and cognitive development of the child from conception to adolescence is examined. Special attention is given to techniques of managing behavior and to the role of the educator in the development process. **Prerequisite:** PSYC 182.

**285. Adolescent Growth & Development 2 Hours**  
A study of the development of the adolescent and the young adult. Special attention will be given to physiological changes, intellectual development, the search for identity, relationships with parents, relationships with peers, problems of adolescence, career development and choosing a personal lifestyle. **Prerequisite:** PSYC 182.

**287. School-Age Growth & Development 3 Hours**  
This course covers the physical, social, emotional and cognitive development of school-age children and adolescents, focusing on ages 3 to 18. Developmental issues such as language, identity, achievement, gender, sexuality, career formation, relation-

- ships with parents, family and peers, and age-specific problems are studied. Special attention is given to developmental theories and their application to the educational setting and the role of the educator in the developmental process. Some discussion of prenatal and infant development and its impact on school-age children will also be included. **Prerequisite:** PSYC 182.
- 288. Life Span Development 3 Hours**  
A study of the basic principles and theories of human development with special emphasis given to the determinants of the human life span from the beginning of life through infancy, childhood, adolescence and adulthood to death and dying. Emphasis is placed on the transitional life processes as they occur at each stage, and attention is given to physical, intellectual, social and personality development in each stage of the life span. **Prerequisite:** PSYC 182.
- 362. Special Topics in Psychology 1-3 Hours**  
An opportunity to study issues, trends, topics, or content in psychology that may not be covered in other courses. Developed and offered on demand.
- 376. Research Methods I 3 Hour**  
A study of the methods used by the social and behavioral sciences to obtain reliable data and build theory. Includes research design, survey and observational techniques, content analysis, case studies, data analysis and presentation, use of statistics and computers. Work includes submitting a satisfactory research design, which is to be carried out in PSYC 378. **Prerequisites:** MATH 111 and ENGL 102
- 378. Research Methods II 1 Hour**  
Continuation and completion of the research project begun in SS 376. **Prerequisite:** PSYC 376.
- 385. Cognitive Psychology 3 Hours**  
An introduction to a wide variety of topics in cognitive psychology including learning, attention, memory, perception, categorization, language, judgment, decision making, spatial awareness, attention, and problem solving. Emphasis is given to the understanding of key principles and concepts in cognitive research, and their subsequent application in daily life.
- 386. Personality Theories 3 Hours**  
A study of basic theoretical approaches to human personality. Major personality theorists are reviewed and their positions are compared, contrasted and synthesized. An attempt is made to evaluate theories and their relationship with the Christian faith. **Prerequisite:** PSYC 288, PSYC 284, PSYC 285, PSYC 287, or SOC 203
- 387. Psychological Measurement 3 Hours**  
An examination of psychological measurement topics which includes basic concepts, historical developments, ethical and legal implications, diversity issues, reliability, validity, test construction, and the selection, administration, scoring, and interpretation of assessment instruments.
- 391. Biological Psychology 4 Hours**  
An introduction to the biological bases of behavior. Research methodology and findings will be emphasized that focus on genetic inheritance, the nervous system, endocrine system, underlying brain function and their relationship to specific forms of behavior. **Prerequisites:** BIOL 115, PSYC 182.
- 458. Psychopharmacology 2 Hours**  
This course includes the study of psychoactive medications and drugs of abuse. Topics include neurophysiological bases of mental illness and drug treatment, drug indications and contraindications, and the addiction and recovery process. **Prerequisite:** PSYC 391 or permission of instructor.
- 471. Independent Study in Psychology 1-3 Hours**  
An opportunity for independent research and writing by advanced Psychology majors. **Prerequisite:** Permission of instructor.
- 481. Abnormal Psychology 4 Hours**  
A study of various forms of abnormal human behavior in relation to their causative factors. Emphasis is placed upon the concern for methods of prevention and cure. **Prerequisite:** PSYC 386.
- 482. Senior Seminar in Psychology 1 Hour**  
A senior capstone course that focuses on the transition from student to professional. Topics include preparing for graduate school; financing graduate

school and managing undergraduate school loans; understanding professional ethics; seeking employment and employers' expectations; resume writing and job interviewing; selecting career options; and understanding professional licensure requirements. Students will discuss various topics in relation to the Christian worldview. **Prerequisite:** Permission of instructor.

## **SECONDARY EDUCATION (SCED)**

- 329. Adolescent Literature 3 Hours**  
This course covers primarily genres and themes in young adult literature applicable for middle and high school curriculum with some children's literature. Along with surveying contemporary literature and professional resources, lesson planning and reading theory will be discussed. **Prerequisites:** Admission to the Teacher Education Program.
- 331. Organization & Curriculum of the Jr. High/Middle School 2 Hours**  
This is a study of the curriculum development and organization of the junior high/middle school in terms of the needs and characteristics of the adolescent student. Emphasis will be placed on interdisciplinary curriculum.
- 431. Practicum/Methods 2-4 Hours**  
A minimum of four weeks is spent in a junior high/middle school including observing, teaching, participating in curricular learning situations and cocurricular activities. Specific methods of instruction in subject matter fields are also studied in the instructional phase of this course.
- 436. Specific Methods in Spanish 3 Hours**  
Methods and materials for teaching Spanish are examined and practiced. Field experience is required. **Prerequisite:** Approval of the Teacher Education Committee.
- 437. Method and Materials for Middle and High School Art Educators 3 Hours**  
Methods and materials for teaching the Visual Arts in Middle School and High School are examined and practiced. Fieldwork is required. **Lab:** SCED437L **Prerequisites:** Admission to the Teacher Education program.

- 439. Teaching Practicum in Instrumental Music Education 0 Hours**  
Public school observation/teaching experiences. **Must be taken with SCED 440.** (Grading will be on a p/np basis. In the event of a np grade, practicum may be retaken with permission of instructor.)
- 440. Materials & Methods for Teaching Instrumental Music 3 Hours**  
Procedures for teaching instrumental music in the public schools (grades 6-12), as well as philosophy and principles of instrumental music curriculum design. Emphasis on instrumental goals and objectives, recruitment, administration, public relations and pedagogy for instrumental ensemble instruction. **Must be taken with SCED 439; Teaching Practicum in Instrumental Music.**
- 441. Secondary Health & Physical Education Methods 3 Hours**  
Methods and materials for teaching physical education are examined and employed. Field experience is required. **Lab:** SCED 441L **Prerequisite:** Approval of the Teacher Education Committee.
- 442. Materials & Methods for Teaching Choral Music 3 Hours**  
Teaching methods and instructional materials for choral music in all grades, 6-12. Administration of the music program, recruitment and public relations are also studied. **Must be taken concurrently with SCED 450.**
- 443. Specific Methods in Science 2 Hours**  
Methods and materials for teaching Science are examined and practiced. Field experience is required. **Lab:** SCED 443L **Prerequisite:** Approval of the Teacher Education Committee.
- 444. Specific Methods in Social Science 3 Hours**  
Methods and materials for teaching Social Science are examined and practiced. Field experience is required. **Lab:** SCED 444L. **Prerequisite:** Approval of the Teacher Education Committee.
- 445. Specific Methods in English 3 Hours**  
Methods and materials for teaching English are examined and practiced. Field experience is required. **Lab:** SCED 445L **Prerequisite:** Approval of the Teacher Education Committee.

- 446. Specific Methods in Math 3 Hours**  
Methods and materials for teaching Math are examined and practiced. Field experience is required. **Lab:** SCED 446L **Prerequisite:** Approval of the Teacher Education Committee.
- 447. Specific Methods in Business Education 3 Hours**  
Methods and materials for teaching Business are examined and practiced. Field experience is required. **Lab:** SCED 447L **Prerequisite:** Approval of the Teacher Education Committee.
- 448. Content Specific Literacy 3 Hours**  
The course will assist content area teachers in understanding and applying reading, writing, language, and visual skills to their specific subject material to enhance student learning. Content area strategies and assessments will be discussed. **Lab:** SCED 448L. **Prerequisites:** EDUC 305 and admission to the teacher education program.
- 449. Secondary Student Teaching 2-8 Hours**  
Student teaching is the capstone experience of the teacher preparation program. It requires a minimum of 50 school days of teaching experience in a secondary school under the joint direction of a cooperating teacher and a college supervisor. Near the beginning of student teaching, candidates meet on-campus for an additional week of study to discuss strategies for facilitating instruction to meet the needs of all learners in their classrooms. The dates of the on-campus instruction will be determined by semester schedules at Bethel and school placements. The course may be repeated for credit when it is deemed necessary or desirable. **Prerequisites:** Completion of all professional education courses and approval of the Teacher Education Committee. **Concurrent:** EDUC 441.
- 450. Teaching Practicum in Choral Music Education 0 Hours**  
Public school observation/teaching experiences. **Must be taken with SCED 442.** (Grading will be on a p/np basis. In the event of a np grade, practicum may be retaken with permission of instructor.)
- 451. Secondary Student Teaching II 4 Hours**  
A six-week teaching experience in a

secondary school under the joint direction of a cooperating teacher and a college supervisor. This is a second placement during the student teaching semester in a different grade level or school setting than SCED 449. **Prerequisites:** Completion of all professional education courses and approval of the Teacher Education Committee. **Concurrent:** EDUC 441.

## **SOCIOLOGY (SOC)**

- 151. Principles of Sociology 3 Hours**  
An introduction to the basic concepts, perspectives and scope of the discipline of sociology.
- 201. Problems & Issues 3 Hours**  
This course explores major issues confronting contemporary American society. It seeks to achieve understanding of the complex nature of social tensions and to assist the student in clarifying his/her own positions. Topics may include abortion, teenage pregnancy, poverty, worker alienation, and education. **Prerequisite:** SOC 151.
- 202. Race & Ethnicity 3 Hours**  
The social dynamics of race and ethnicity, including prejudice, discrimination and public policy issues. The history of racial and ethnic groups in America will be reviewed in order to illustrate mechanisms for reducing prejudice. **Prerequisite:** SOC 151.
- 203. Sociology/Psychology of Aging 3 Hours**  
A study of changing individual needs and major events that affect adults in their later years. Learning, attitudes and emotional implications are considered. Attention is also given to the social resources available to help meet these needs. A useful course for students who intend to work with the elderly as either professionals or volunteers. **Prerequisite:** SOC 151, PSYC 182.
- 251. Social Psychology 3 Hours**  
A general introduction to the sub-discipline of social psychology. Emphasis is on the impact of early and later socialization in the forming and modifying of beliefs, values, attitudes and on the various contexts for interpersonal behavior.
- 252. Marriage & Family 3 Hours**  
A study of dating, courtship, engagement, marriage, roles, parenthood,

divorce, and changing definitions of family. Biblical, historical, and sociological perspectives are used, while emphasizing practical applications.

- 257. Human Sexuality 3 Hours**  
An integrative approach which treats psychosocial, biomedical, spiritual, ethical and legal dimensions of human sexuality within the context of scientific research and a Christian worldview. The course utilizes various instructional and learning techniques toward assisting students to understand and clarify their own values, attitudes and behaviors as healthy sexual persons and developing wholesome sexual relationships within a Judeo-Christian ethic.
- 301. Sociology of Religion 3 Hours**  
An overview of the social dimensions of human religious experience, including both classical theories and contemporary research. Topics may include the sacred, religiosity, conversion, organizational structure, secularization, social class, civil religion, and televangelism.  
**Prerequisite:** SOC 151.
- 305. Parenting 3 Hours**  
Parenting is an examination of parent-child interaction throughout the life cycle within American culture. A Christian perspective is stressed.
- 356. Cultural Anthropology 3 Hours**  
A study of the beliefs, practices and major institutions of selected groups around the world, with attention to how the physical and social environment has helped shape the history and culture. The impact of cross-cultural contact, planned change and missionary effort is considered.
- 401. Sociology of Mental Illness 3 Hours**  
A review of the social dimensions of psychological distress and mental illness. Special attention is paid to the social factors that contribute to psychological distress, including age, sex, income, education and marital status. Help-seeking behavior, mental institutions, recovery and political and legal issues are also discussed. Students will be able to understand the sources of stress on the lives of individuals, as well as the resources necessary to cope with that stress. **Perquisite:** SOC 251.
- 439. Western Social Thought 3 Hours**  
An overview of social thought from Antiquity to the present, including such thinkers as Plato, St. Paul, Augustine,

Luther, Machiavelli, Hegel, Marx, Freud and Mead. The student will become familiar with a large number of thinkers, their historical context, and their relationships both to one another and to basic questions of human society. Students interested in sociology, history, theology and philosophy will find this course a useful integration of these disciplines.  
**Prerequisite:** HIST 246.

- 440. Social Theory 3 Hours**  
An overview and critical review of sociological theorists who serve as the basis for sociological research. Focusing on the last 150 years, the course includes the works of Marx, Weber, Durkheim and Simmel, as well as many schools of thought, including Functionalism, neo-Marxism, Symbolic Interactionism, Phenomenology, Ethnomethodology, Exchange Theory, Feminist Theory, Structuralism and Post-Structuralism. Besides becoming acquainted with each of these approaches, the student will also become aware of the strengths and weaknesses of each.
- 451. Independent Study in Sociology 1-3 Hours**  
Selection of an applied problem or theoretical inquiry in the discipline. Individual effort is stressed. Extensive reading culminates in a paper or personal research report. **Prerequisite:** Permission from instructor.

## **SPANISH (SPAN)**

- 161. Elementary Spanish I 3 Hours**  
A beginning course consisting of pronunciation, essentials of grammar, composition, conversation and readings from graded texts. For beginning Spanish students and those with less than two units of high school Spanish.
- 162. Elementary Spanish II 3 Hours**  
The continuation of study in elementary Spanish including pronunciation, essentials of grammar, composition, conversation and readings from graded texts. For continuing Spanish students who have either completed Elementary Spanish I or who have had three or more units of high school Spanish.  
**Prerequisite:** Permission of instructor.
- 163. International Spanish Experience 1-9 Hours**  
This course combines intensive study of the Spanish language, with total immer-

- sion in Spanish culture. Students with no previous knowledge of Spanish emphasize conversation and the acquisition of a working vocabulary in Spanish. Those with some knowledge of Spanish emphasize grammar, conversation and composition in Spanish. Advanced students emphasize sentence structure and patterns, in addition to grammar, conversation and composition in Spanish. May be repeated for credit.
- 164. Spanish for Health Professionals I** **4 Hours**
- 165. Spanish for Health Professionals II** **4 Hours**  
These courses provide beginning information on pronunciation, essentials of grammar, composition, conversation and reading. In addition, skills and vocabulary will be gained to enable the health care professional to be more effective in working with Spanish-speaking patients in health care agencies and in interpreting health care services to patients. These courses will introduce the students to the culture of Spanish-speaking patients and equip them to serve as a bridge between the patient and other members of the health care team.
- 166. International Spanish Field Work** **3-6 hours**  
This course is designed to give credit for the immersion experience in a Spanish-speaking country or culture on an approved, Bethel-sponsored semester, May, and/or Summer term program. Usually, the course takes the form of work at an internship or ministry site, although other formats may be approved by permission of the instructor of record. May be repeated for credit. **Prerequisite:** Permission of instructor.
- 261. Intermediate Spanish I** **3 Hours**  
This course emphasizes advanced proficiency in the areas of oral production, comprehension and reading. It includes extensive practice in written composition and conversation as well as exposure to cultural texts from Spain and Latin America. **Prerequisite:** SPAN 162 or permission of instructor.
- 265. Textual Proficiency in Spanish** **3 Hours**  
This course aids in the development of strategies for reading, comprehending, and analyzing literature, journalism, film, theatre, and any of the other examples of texts written in Spanish that students will encounter in Spanish-speaking cultures and in more advanced courses in the major or minor. **Prerequisite:** SPAN 162 or permission of instructor.
- 267. Beginning Conversational Spanish**  
A beginning course consisting of pronunciation, essentials of grammar, composition, conversation and readings from graded texts. For beginning Spanish students and those with less than two units of high school Spanish. This course is focused on oral proficiency at an elementary level. **Prerequisite:** SPAN 261
- 271/471. Independent Study in Spanish** **1-3 Hours**  
Coursework will vary by arrangement. **Prerequisite:** SPAN 261 or permission of instructor.
- 304. Spanish Linguistics** **3 Hours**  
This course provides an introduction to Spanish linguistics and deals with the sound system of Spanish and its theoretical representation; morphology (word formation and verbal inflection); and issues in syntax, regional pronunciation variation, and contemporary Hispanic linguistics, such as language variation, bilingualism, and Spanish in the United States.
- 351. Civilizations & Cultures of Latin America** **3 Hours**  
An intensive survey of Latin American culture, history, art, film and architecture conducted either on a Bethel-in-Latin America program or as a traditional class on campus. The class held during a Bethel-in-Latin America program will consist of museum tours, excursions to historical sites, visits to local restaurants and the viewing of current Latin American cinema. The traditional version of the class will explore these themes via film, television, visits to local ethnic restaurants, literature and other written materials. **Prerequisite:** SPAN 261 or SPAN 265 or permission of instructor.
- 352. Civilizations & Cultures of Spain** **3 Hours**  
An intensive survey of Spanish culture,

history, art, film and architecture conducted either on the Bethel-in-Spain program or as a traditional class on campus. The class held during the Bethel-in-Spain program will consist of museum tours, excursions to historical sites, visits to local restaurants and the viewing of current Latin American cinema. The traditional version of the class will explore these themes via film, television, visits to local ethnic restaurants, literature and other written materials. **Prerequisite:** SPAN 261 or SPAN 265 or permission of instructor.

**360. Advanced Grammar & Composition 3 Hours**

Intensive practice in the written language via discussion of short texts written in Spanish. The course will develop students' ability to write grammatically and idiomatically effective prose in Spanish and will include instruction in style, genre and polemics. **Prerequisite:** SPAN 265 or permission of instructor.

**361. Spanish Conversation 3 Hours**

Intensive practice in the spoken language via discussion of written texts, art, films and contemporary issues and student presentations dealing with these elements. Topics are assigned for individual or group presentation and class-wide discussion. **Prerequisite:** SPAN 261 or permission of instructor.

**362. Survey of Latin American Literature 3 Hours**

Introduction to the principal authors and works of Spanish American literature from the pre-Columbian and colonial period to contemporary works and writers. Selected readings from representative authors such as Sor Juana Inés de la Cruz, Borges and Quiroga. **Prerequisite:** SPAN 265.

**363. Survey of Spanish Literature 3 Hours**

Introduction to the principal authors and works of Spanish literature from the "jarchas" and *El Cid* to contemporary works and writers. Selected readings from representative authors such as Cervantes, Azorin, Unamuno and García Lorca. **Prerequisite:** SPAN 265.

**461. Seminar in Hispanic American Literature 3 Hours**

A detailed study in depth of a genre, period or author of Spanish American lit-

erature. **Prerequisite:** SPAN 265.

**462. Seminar in Spanish Literature 3 Hours**

A detailed study of a genre, period or author of Spanish literature. **Prerequisite:** SPAN 265 or permission of instructor.

**463. Seminar in Cine 3 Hours**

(Note: May be taught in English depending on enrollment from nonmajors). A detailed study of a genre, period, cinematographer, actor, director or producer of Spanish American and/or Spanish film. **Prerequisite:** SPAN 265 or ENGL 102 for nonmajors.

## **SOCIAL SCIENCE (SS)**

**270. Area Study: Travel 1-3 Hours**

A travel course that includes a study of one or more of the following: history, geography, culture, literature, politics or economics of a country outside the United States. The course includes reading and writing assignments; daily lectures; field trips to historical sites; use of university and/or museum resources; and/or first-hand exposure to the people, geography and culture of the land. The Department of History and Contemporary Society must approve the course content, design and credit hours.

**277. World Regional Geography 3 Hours**

A study of the factors of the natural environment of each area of the world, including the United States. The relationship of these factors to the methods in which mankind meets their basic needs, and the problems arising from this interaction become the focal emphasis of the course. A wide background of information about contemporary world geography is developed.

**301. Regional Geography: Sub-Saharan Africa 3 Hours**

A study of the history, geography and cultures of Africa, south of the Sahara. Special attention is paid to present problems in the continent.

**302. Regional Geography: Latin America 3 Hours**

A study of the history, geography and culture of the countries in North America, South America, Central America and West Indies where Spanish, Portuguese and French are spoken. Attention is given

to their social, economic and political institutions, religious and philosophical concepts, literature and the arts.

- 303. Regional Geography: Mid-East & North Africa** **3 Hours**  
A study of the history, geography and cultures of North Africa and the Middle East. Special attention is paid to present problems in the area.
- 304. Regional Geography: Far East** **3 Hours**  
A study of the history, geography and culture of the Far East, with major attention given to China and Japan. Special focus is on present problems in the area.
- 305. United States Government** **3 Hours**  
A study of the government of the United States. Emphasis is on the Constitution, elections, the legislative process and other topics related to politics and the organization of competing interests. Attention will also be paid to current political problems.
- 374. Internship in Social Science** **1-6 Hours**  
An internship or cooperative education experience within selected business, social service and law enforcement agencies. Other off-campus learning experiences may also be arranged in a metropolitan or cross-cultural setting. May be repeated up to a total of six hours. Permission from instructor required.
- 376. Research Methods** **3 Hours**  
A first course in the methods of social science research including design, data collection, and analysis. **Prerequisite:** MATH 111, ENGL 102.
- 377. Seminar Topics** **1-3 Hours**  
Each seminar focuses on a different topic selected for its contemporary relevance, such as aging, drug abuse, death and dying, bio-ethics, ecology, sex roles and delinquency treatment. Participants share in common reading, then develop a paper to be presented to other seminar members. Open to nonmajors.
- 380. Honors Seminar** **1 Hour**  
Seminar on the interaction between faith and intellect. The precise topic may change from year to year, but in each offering, students will discuss readings on the integration of faith and learning and examine practical applications of this integration.

- 450. Assessment Portfolio** **0-2 Hours**  
The primary focus of this course is on the satisfactory completion of the Assessment Portfolio (*as described in The Department of History and Contemporary Society: Assessment of Student Outcomes*). This is a required course for all majors within the department. P/NP.
- 471. Independent Study** **1-3 Hours**  
An opportunity for independent research and writing by advanced social science majors. Permission from instructor required.

## THEOLOGY (THEO)

- 110. Exploring the Christian Faith** **3 Hours**  
This course is designed to acquaint the student with the Christian worldview. In so doing, students will learn about the Christian faith, its distinct theological terminology and its historic theological positions as they are set forth by the Scriptures and interpreted by evangelical Christianity. Further, more than a factual introduction to Christianity, this course both connects the redemptive message of Jesus Christ to contemporary life issues and encourages students to grow in their understanding of and relationship with Him.
- 310. Systematic Theology I** **3 Hours**  
An historic-systematic theological study of the doctrines of God, christology, pneumatology, creation and man.
- 313. Systematic Theology II** **3 Hours**  
An historic-systematic theological study of the doctrines of soteriology, including hamartiology, sanctification and eschatology.
- 340. Christian Apologetics (cross-listed with PHIL 340)** **3 Hours**  
The course examines themes in Christian apologetics. Themes may include different apologetic methodologies, such as evidentialism or presuppositionalism; different apologetic writers, such as C. S. Lewis or Francis Schaeffer; or different apologetic topics, such as arguments for the existence of God or the historicity of Scriptural accounts.  
**Prerequisites:** THEO 110, PHIL 250.
- 460. Independent Study** **1-4 Hours**  
A study of some theological period, topic or problem of the student's choice.

May be repeated for credit. Permission from instructor required.

## THEATRE (THTR)

- 110. Introduction to Theatre 3 Hours**  
A survey course that presents the art of the theatre. This includes, but is not limited to, the following topics: study and analysis of dramatic structure and the various genres of theatrical literature; identifying and classifying various staging theories and formats; the directors and the performers; the scenic, costume, lighting and sound designers and other crafts associated with technical theatre.
- 120. Introduction to Musical Theatre 3 Hours**  
A survey course that examines the development of the musical theatre art form in America. Students will study the many styles of musical theatre and the many artists who contributed to its development: the librettists, lyricists, composers, directors, choreographers, designers and performers
- 130. Acting I 3 Hours**  
Students encounter the fundamentals of realistic acting through the study of Stanislavski's approach to performance. In the process, they will be taught the necessary language and skills to operate in the acting world.
- 131. Script Analysis 3 Hours**  
Students in this course will learn about various play structures, from classical Greek drama to modern multicultural forms. They will engage in reading and writing about play scripts in order to draw meaning and imagery from the texts. Ultimately, they will learn how to apply the information they learn through script analysis to their various areas of theatrical concentration.
- 140. Basic Ballet Technique I 2 Hours**  
The art of classical ballet will be introduced. The focus of this course will consist of basic technique (positions and steps with concern for body alignment, control, balance strength and musicality) and an understanding of classical ballet as a vessel for praise and worship.
- 141. Basic Ballet Technique II 2 Hours**  
A continuation of Basic Ballet Technique. This course will concentrate on progressing to a higher level of achievement by offering more complex steps and positions with concern for the proper use of muscles, artistic expression, strength, musicality and theory.  
**Prerequisite:** THTR 140.
- 170. Drama Production I 1-3 Hours**  
Experience in the technical work of stagecraft. The course includes planning and participation in the production of a major play. The focus may be on lights, props, makeup, costumes, set construction or stage managing. May be repeated.
- 210. Special Topics in Theatre .5 Hours**  
Seven-week classes provide detailed study of specific skill areas and techniques commonly used and vital to further practice and study in theatre.
- 210A. Special Topics in Theatre: Performance**  
The study of performance techniques beyond those taught in acting classes.
- 210B. Special Topics in Theatre: Masterpieces**  
An in depth study of playwrights, genres, and literature of the theatre.
- 210C. Special Topics in Theatre: Design**  
The study of design techniques beyond those taught in design courses (scenery, lighting, costuming, or makeup).
- 210D. Special Topics in Theatre: Technical**  
The practice of technical skills beyond those taught in stagecraft or costume construction.
- 211. Stage Makeup 3 Hours**  
Students in this course will develop and practice skills in the design and application of stage makeup. Through rigorous practical experience, readings and lecture, students will embrace the basic principles of makeup for the stage.
- 212. Playwriting I 3 Hours**  
Students in this course will learn the process of writing for performance through the analysis of existing scripts and the creation of new scripts. Through readings, exercises and the completion of a one-act play, students will be introduced to the playwriting process.
- 213. Stage Management 3 Hours**  
This course provides the guidelines, procedures and ethics established and practiced by professional stage man-

agers. Students then put into practice these skills through class projects and in the development of a theoretical or practical prompt book.

- 220. Religious Drama 2 Hours**  
A study of the relationship of drama to the program of the church and the techniques necessary for producing such drama. The course includes an examination and analysis of dramatic literature available and suitable for chancel performance.
- 230. Acting II 3 Hours**  
Students encounter the fundamentals of classical and stylized acting through the study of improvisation, theatre games, voice/movement technique and advanced scene analysis. In the process, students will be encouraged to develop an individualized approach to acting. **Prerequisite:** Permission of instructor.
- 231. Acting Musical Theatre 3 Hours**  
The course instructs the students in the analysis of book, music and lyrics in relation to musical theatre performance. Coursework includes character development, vocal technique, stage movement and individually critiqued performances from musical theatre repertoire.
- 232. Jazz Technique 2 Hours**  
An introduction to jazz dance focused on the development of technique. Areas emphasized include body alignment, isolation of movement, rhythmic qualities, basic stems (jazz walks, turns and jumps) and jazz dance terminology.
- 233. Tap Technique 2 Hours**  
An introduction to tap dance focused on the development of technique. Tap techniques at the beginning level emphasize precision in sound, rhythm, movement, gesture and expression.
- 240. Stagecraft 2 Hours**  
The course offers an overview of the technical elements associated with scenery and lighting for the theatre. Practical experiences teach the safe use of the tools and techniques employed in the construction, rigging and moving of scenery and the hanging, focusing and maintenance of lighting fixtures.
- 260. Directing I 3 Hours**  
A study of the basic principles and techniques of directing plays. It covers play analysis, blocking, methods of achieving character development, the rehearsal process and the supervision of producing a play.
- 280. Performance Ensemble 1-3 Hours**  
Credit for participation in a Bethel-based dramatic ensemble such as the Genesians. Approval from the drama department is necessary. May be repeated for credit. See specific major or minor for maximum hours.
- 320. Western Theatre History I 3 Hours**  
A study of the theatre history beginning with the Greeks and continuing with Roman drama, medieval and Renaissance theater. It discusses main dramatic developments and major plays and playwrights.
- 321. Western Theatre History II 3 Hours**  
Examines the development of the theatre from the Renaissance to the present. Students may explore major dramatists and plays and major developments in theatrical conventions.
- 335. Costume Construction 3 Hours**  
Each student will have the opportunity to develop an understanding of the organization and management of costume personnel, workload, space and time, the tools used in costume technology, and the various techniques and processes used in costume technology.
- 340. Scene Design 3 Hours**  
The basic principles of scene design for both realistic and nonrealistic plays. Students examine not only the conventional box set, but also fragmentary scenery and the use of nonconventional materials in set construction.
- 345. Lighting Design 3 Hours**  
Basic principles of lighting design for both realistic and nonrealistic plays. Appropriate lighting designs for different types of plays are examined.
- 370. Drama Production II 1-3 Hours**  
Experience in the technical work of stagecraft. The course includes planning and participation in the production of a major play. The focus may be on lights, props, makeup, costumes, set construction or stage managing. **Prerequisite:** THTR 170.
- 430. World Theatre History 3 Hours**  
Students in this course will explore African, Chinese, Indian, Japanese and other world theatre traditions. Through

the use of readings, film and lecture, they will encounter characters, design concepts and dramatic structures outside of the traditional western canon. Through discussion, writings, quizzes and an extensive final project/paper, students will display an ability to use the knowledge they have learned about world theatre.

- 440. Costume History & Design 3 Hours**  
The history of costume for the stage and the basic elements of costume design and construction.
- 451. Senior Seminar 2 Hours**  
The course provides an opportunity for senior theatre majors to display their acquired skills and understanding of the art of theatre through an acting, directing, designing, or management experience. The course requirement consists of a practical project, a written description of progress (a journal), and a thesis paper detailing the development, the process, analysis, and self-evaluation of the completed project. Evaluation will consist of peer and a public audience response as well as verbal and written responses from the theatre faculty and staff. Written project proposals must be submitted for approval by the theatre faculty and staff. Initial proposals may not be approved; therefore a second proposal submission may be required
- 460. Directing II 3 Hours**  
Advanced directing techniques for the experienced student. For the major project the student will select, cast, direct and produce either a one-act or a full length play.  
**Prerequisite:** Permission of instructor.
- 474. Independent Study in Theatre 1-3 Hours**  
Offers private, advanced study in areas of theatre not available in existing courses. Open only to majors and minors and signed permission of the instructor is required before registration. May be repeated for credit.
- 476. Fieldwork in Theatre 1-3 Hours**  
Provides experience in local or national theatres. Students must maintain a journal of the experience and specific tasks performed, making note of new techniques learned and practiced. Work approximately 35-40 hours per semes-

ter for each hour of credit. **Prerequisite:** Permission of instructor.

## WRITING (WRIT)

- 110. The Writing Profession 3 Hours**  
Writers in this course learn how to develop ideas, identify target audiences and their needs, rewrite and edit drafts, meet publication standards, submit manuscripts and work with editors. This course introduces writers to various careers of the profession, in freelancing, ghosting and publishing. Since the competition to enter this field remains competitive, writers learn how to use their current work situations to "break into" the writing profession.
- 203. Creative Writing 3 Hours**  
See ENGL 303 for course description.
- 210./**
- 410. Marketing a Manuscript 3 Hours**  
Getting your manuscript published means demographically targeting your audience, meeting publishing standards, making copyrights and legal contacts, and promoting your work. This course teaches you how to get your work into print, and then how to promote it.  
**Prerequisite:** WRIT 110 or permission of instructor.
- 221. Writing Modes & Models 2-3 Hours**  
Writers work with various types of writings: short stories, poems, dramas, screenplays, journaling/memoirs, speeches, sermons/devotionals, technical writing, basic news, features/interviews, reviews, press releases/ads, broadcast news stories and commentary/essays. The course will introduce the standards and conventions of each of these genres, and students will explore several of them in depth.
- 222/**
- 422. Seminar in Writing 3 Hours**  
The rotation of topics will provide detailed study of specific skills, techniques and industry standards vital to further development as a writer. Course content will vary; planned offerings include such topics as: novel writing techniques, advanced features and non-fiction, writing for children and young adults and professional writers' conference. May be repeated at each level.  
**Prerequisite:** ENGL 102.

- 227. Features & Nonfiction Writing** **3 Hours**  
Writers in this course learn to develop ideas, strengthen interviewing skills and hone powers of observations. Emphasis is placed on nonfiction writing for newspapers, magazines, Web and other types of publications. The course will introduce standard industry feature articles including: personal narrative, general expository, how-to, personality profile, filler and sidebar.  
**Prerequisite:** ENGL 101, WRIT 221
- 231. Business & Technical Writing** **3 Hours**  
Business and technical writing is important to different fields and professions: managers, statisticians, engineers, scientists, medical and other professionals write reports, letters and manuals. This course teaches writers how to state problems, analyze audiences, appropriate formats, organize materials, select styles, design and edit business and technical writings.
- 241. Writing for the Religious Market** **3 Hours**  
Religious publications want short stories and instructional materials, and they want them full of adventure—not advice. Discover what religious publications are avoiding, what they're looking for, and what they're buying! Learn how to target your slice of the religious market, and then how to meet its general and special writing needs. This course teaches you how to get your writing published in this specialty market.
- 251. Independent Study in Writing** **1-3 Hours**  
Private study in areas of writing not addressed by other courses, or that advances previous efforts of the student. Possible project ideas include writing portions of a fiction or nonfiction book, developing a newsletter, writing a collection of sports articles, or undertaking an advanced editing project.  
**Prerequisite:** Permission from instructor.
- 275. Broadcast Media Writing** **3 Hours**  
See COMM 275 for course description.
- 321. Advanced Features & Nonfiction Writing** **3 Hours**  
This course builds on previously developed feature-writing skills and strengthens interviewing and research techniques. Assignments cover various

advanced forms including: news features; profiles; columns; travel writing; critiques; editorials and opinion pieces; brights; reviews of literature, plays, movies and books; essays; biography; and autobiography. **Prerequisite:** JRNL 221.

## YOUTH MINISTRY & ADOLESCENT STUDIES (YMN)

- 181. Foundations in Youth Ministry/Adolescent Studies** **3 Hours**  
An examination of the purposes, challenges, modes, varied agencies and methodologies as they interrelate with adolescence. The student will also explore the Biblical, educational and philosophical foundations of youth ministry, with assessment of personal gifts and personality in light of these foundations. **Prerequisites:** THEO 110.
- 222. Effective Teaching in Youth Ministry** **3 Hours**  
This course covers the pedagogical issues related to effective youth ministry, combining theoretical and theological understandings of Christian education with practical experience in speaking and teaching. Particular emphasis is spent developing the skills necessary for effective teaching and leadership in various youth ministry settings.
- 285. Saturday Seminars in Youth Ministry** **1 Hour per semester**  
One-day seminars are taught by youth ministry experts in their adolescent-specific fields. Various topics will be covered with an emphasis on actual practice and the personal application of professional theory. See schedule of classes for topics being offered.
- 285A. Communicating the Life Changing Message**
- 285B. Worship in Youth Ministry**
- 285C. Leadership in Youth Ministry I**
- 285D. Leadership in Youth Ministry II**
- 285E. Culture and Youth Ministry**
- 285F. Current Topics in Youth Ministry I**
- 285G. Current Topics in Youth Ministry II**
- 285H. Programming and Youth Ministry**

- 295. Practicum in a Youth Ministry/ Adolescent-specific Field I 3 Hours**  
 Guided theory/practice in youth ministry or an adolescent-specific field experience; requires four to six hours per week of involvement in a supervised, disciplining youth ministry, plus regular class meetings. **Prerequisites:** YMN 181.
- 311. Leadership & Administration in Youth Ministry 3 Hours**  
 Examination of philosophy and principles for programming: communication of vision, strategy, goals and objectives, leadership development and effective management of resources (finances and budgeting, staff relationships and promotional skills). **Prerequisite:** YMN 181.
- 327. Disciplemaking Structures in Ministry 3 Hours**  
 This course examines the educational and theological processes of ministry and their intersection with spiritual formation in the lives of participants. The course will focus on the curriculum and practical theology of ministry structures (leadership, group dynamics, trips and special events) common to local ministries. The course will help ministry leaders think intentionally about the spiritual formation and development of students involved in ministry programs. **Prerequisite:** MIN 310.
- 351. Multicultural Youth Ministry 3 Hours**  
 Presents challenges of opportunities for experiencing various approaches to youth ministry in multicultural settings. Explores attitudes toward adolescence from various cultural perspectives. Emphasizes historical, theological and cultural development of Christian mission as it relates to adolescents. **Prerequisite:** YMN 181.
- 395. Practicum in a Youth Ministry/ Adolescent-specific Field II 2 Hours**  
 Guided theory/practice in youth ministry or an adolescent-specific field experience; requires four to six hours per week of involvement in a supervised, disciplining youth ministry, plus regular class meetings. **Prerequisites:** Permission of instructor and YMN 295.
- 411. Counseling Teenagers in Crisis 3 Hours**  
 A review and application of various approaches to Christian counseling to issues that are adolescent-specific: identity formation, spiritual formation, family issues, human sexuality, pregnancy, abortion, abuse, delinquency, eating disorders, suicide and substance abuse. **Prerequisites:** YMN 181 or consent of instructor and YMAS program director.
- 455. Senior Seminar in Youth Ministry/ Adolescent Studies 3 Hours**  
 Final preparation for graduating students entering a position in youth ministry or an adolescent-specific career, including examination of contemporary problems and issues in adolescence as well as the students' career readiness. Case studies will be used to address questions like, "At what point does parental responsibility override a confidential youth/youth minister relationship?" or "How does the youth minister handle various discipline problems?"
- 460. Independent Study: Youth Ministry 1-3 Hours**  
 Permission from instructor required.
- 461. Special Topics in Youth Ministry 1-3 Hours**  
 An opportunity to study issues, trends, topics, or content in youth ministry that may not be covered in other courses. Developed and offered on demand.
- 485. Internship in Youth Ministry/ Adolescent-specific Field 4 Hours**  
 This course will provide guided theory and practice in youth ministry or an adolescent-specific field experience, with supervised responsibility for hands-on work (totaling 20+ hours/week) with adolescents. Permission from instructor required.