MARIAN UNIVERSITY

Course Catalog 2011-2013
Fall 2012 Edition

Contents

2 ..... Student Affairs

20 ..... General Education Program

22 ..... Graduation Requirements

27 ..... Assessment and Placement

29 ..... Academic Success and Progress

36 ..... Academic Services

38 ..... Cross-Discipline Academic Programs

44 ..... School of Liberal Arts

51 ..... School of Business

53 ..... School of Education

57 ..... School of Mathematics and Sciences

60 ..... School of Nursing

62 ..... Catalog of Courses

138 ..... People

156 ..... Index

VISION STATEMENT
Provide an education that profoundly transforms lives, society, and the world.

MISSION STATEMENT
Marian University is a Catholic university dedicated to excellent teaching and learning in the Franciscan and liberal arts traditions.

OUR FRANCISCAN VALUES
Our campus welcomes students of all faiths who seek an educational experience that emphasizes a Franciscan understanding of the values of dignity of the individual, peace and justice, reconciliation, and responsible stewardship.

For more information, contact:

Office of Admission
Marian University
3200 Cold Spring Road
Indianapolis, IN 46222-1997
Telephone: 317.955.6300
800.772.7264
Fax: 317.955.6401
E-Mail: admissions@marian.edu
Web site: www.marian.edu

Marian University does not discriminate on the basis of age, race, color, sex, gender, sexual orientation, religion or creed, national or ethnic origin, or disability in its programs, activities, hiring, or the admission of students.

CO-EDITORS
William B. Harting
Dean of Academic Affairs
Mariah L. Mueller
Assistant Registrar

The University

Vision Statement

Provide an education that profoundly transforms lives, society, and the world.

Mission Statement

Marian University is a Catholic university dedicated to excellent teaching and learning in the Franciscan and liberal arts traditions.

Values

Our campus welcomes students of all faiths who seek an educational experience that emphasizes a Franciscan understanding of four values: dignity of the individual, peace and justice, reconciliation, and responsible stewardship. These values guide faculty, staff, and students.

Description and Goals of Marian University

Marian University is a Catholic, coeducational, comprehensive liberal arts university established by the Sisters of Saint Francis, Oldenburg which provides higher education for a student body of traditional age and adult students, resident and nonresident, with diverse abilities and varied religious, cultural, ethnic, and socioeconomic backgrounds. The university integrates a values-centered, liberal arts–based approach into its curriculum. Degrees are conferred in arts, science, business administration, and nursing at the associate and bachelor level. In addition, Marian University confers a master of arts in teaching degree. Marian University provides a mentoring environment that emphasizes individual attention and fosters multifaceted personal development. Marian University is engaged in dialogue and conversation within the Catholic Church, with the broader Christian community, with other religious people, and with all people of good will.

uniform storage rooms; and instrument repair station.

- St. Francis Hall – Built in 1967 as a residence for the members of the Sisters of Saint Francis, Oldenburg Ft.

UndergraduateAdmission

Marian University encourages applications from members of all cultural, racial, religious, soeconomic, and ethnic groups. Marian University students include those who continuedirectly from high school, those who transfer from other colleges and universities, adults who seek to earn a degree or professional certification, and 94r(n)-6(d)4 0 Tdaiiooal students continuing their education in the United S((n)-3(a)2(t)3(e)9(s)10(.)]TJ 0 Tc 0 Tw 23.133 0 Td ( )Tj EMC /P <</MCID 3 >>
standiTdai TheiTda high school program should fulfill eiTda1(o)- credits
iTdaimpositoro and lidior four crits 94r-6(s)4(o)-4(c)-12(i)-1(a)-4(l)-1(s)odiTdas,
four credits 94r4(n)-9(ma)-7(t)-6(h)-21(ema)-7(t)-6(i)-4(c)-15(s)1(()-2(a)-19(l)-4(g)-3(eb)-9(r)-4(a)-7(a)-7(n)-9(d)-9(g)-3(eo)-7(met)-6(r)-

Transfer Students

Transfer students currently in good standing (minimum cumulative GPA 2.00/4.00) at their previous institution are eligible for immediate transfer. Transfer students must present official transcripts of all college and university records.

1. The Admission and Financial Aid Committee must review the applications of students below an accumulative GPA of 2.00/4.00. The committee considers the length of time out of school, the anticipated major upon re-entry, and evidence that the student has an understanding of what happened at the previous institution that placed him/her in unfavorable academic status. The committee may request additional information.
2. Marian University will accept, in transfer, grades of credits, only those courses approved for transfer by the registrar and in which a "C" or above has been earned.
3. Students not currently in good standing at their previous institution may be considered for probationary acceptance no sooner than one full semester following the last date at that institution.

International Students

Section I: International students who wish to apply for admission to the university must forward the following:

a) The International Application for Admission. The application process for international students seeking to enroll for the fall semester must be completed prior to July 1. For those seeking to enroll in the spring semester, the process must be completed prior to December 1.
b) An official translated copy of all high school work

FinancialAid

Marian University wants to work with you and your family to

St. Francis Academic Scholarship, half tuition
- { Competitive with personal interview and essay
- { Minimum 3.50 cumulative grade point average, ACT 25 or SAT 1150
- { Deadline for consideration: December 31

St. Clare Academic Scholarship, up to half tuition
- { Freshmen: minimum 3.25 cumulative grade point average, ACT 24 or SAT 1100
- { Transfers: minimum 3.00 cumulative grade point average

Dean's Academic Scholarship, up to $5,000
- { Minimum 3.25 cumulative grade point average, ACT 24 or SAT 1100

San Damiano Scholarship, up to $11,000
- { Demonstrated academic performance
- { Church or religious involvement
- { Post-graduate church-related employment and volunteer service
- { Deadline for application: December 1

Bishop Brué Scholarship, up to $9,000
- { Residence in the Bishop Simon Brute College Seminary required

James A. Allison Fellowship, up to $6,000
- { Competitive with an interest in entrepreneurship
- { Deadline for consideration: December 31

Lugar Fellow Global Studies Scholarship, up to $6,000
- { Competitive with an interest in global issues
- { Deadline for consideration: December 31

Athletic Award, up to full tuition
- { Competitive. Selection based on athletic eligibility and potential contribution to team. Recommendation of coach required.

Fine Arts Talent Scholarships, up to $6,000
- { Made by academic department
- { Competitive
- { Deadline for application: December 31

Fine Arts Talent Award for Music, up to $6,000
- { Competitive. Selection based on audition and talent and potential contribution to the music program.

Fine Arts Talent Á Œ (} Œ D Œ Z] v P , v W Œ (} Œ u v amount varies
- { Competitive. Selection based on audition and talent and potential contribution to the marching band.

n base24e M T s - 2 (n) - (a
te0tial c to thing band. 37B>Tj /TT3 1 Tf 0.50625ody <<

21st

and parent’s signature for a student younger than 18, is required for authorization to administer treatment.

International StudentAdvising
The designated school official (DSO) is prepared to assist all international students in becoming familiar with services and programs at the university and in the community. The DSO also assists in all matters regarding passports, visas, employment issues, academics, and other concerns of the international student. The office of theDSO is located in the physical education center.

Internshipsand Career ServicesOffice

' v Œ o µ š] } v W Œ } P Œ u

A Marian University education is designed to prepare our graduates to be:

- { inquisitive in a broad, multidimensional and critical way
- { ethically informed and holistic in perspective
- { spiritually mature
- { professional and knowledgeable in their field

These institutional learning goals are achieved by completion of the general education program and the major program. The general education program provides a common educational experience within the Catholic Franciscan tradition.

To assist students in the pursuit of their education, the faculty has identified five areas of competency that it believes are central to intellectual, moral, social, physical, and spiritual development. The courses, which support these areas of competency, provide the base for exploration in new areas of learning, for deeper understanding of previously acquired learning, for recognition of one's place in a global environment, and for examination of social and spiritual existence. This core educational program is infused with an appreciation of the four Franciscan sponsorship values: dignity of the individual, peace and justice, reconciliation, and responsible stewardship. In essence, the program is a crucial stage in a lifetime of learning, analysis, and contemplation.

General E µ š] } v W Œ } P Œ u ' } o • v K i š] À • W

W/ > K ^ K W , / > THEOLOGICAL REASONING

GE Goal #1: Within the context of a Catholic and Franciscan university, to demonstrate a basic understanding of and participation in theological and philosophical reflection on questions of ultimate meaning and value.

Objectives:

1. to demonstrate knowledge of philosophical and theological wisdom regarding what human beings are, who one can be as a person, and who God is and the ethical and moral implications thereof
2. to demonstrate an understanding of the historical and contemporary impact of religion and philosophy
3. to demonstrate an engagement in the ongoing synthesis of faith and reason

S CIENTIFIC AND QUANTITATIVE REASONING

GE Goal #2: to understand and apply the basic concepts of science and mathematics and to explain their relationship to contemporary life and work.

EFFECTIVE COMMUNICATION

GE Goal #5: to develop proficiency in oral and written communication as a basis for constructive human interaction.

Objectives:

1. to demonstrate the ability to communicate and interpret meaning in a range of situations, for a range of purposes
2. to demonstrate the ability to read, write, speak, and listen in order to acquire, develop, and share information, ideas, and feelings
3. to demonstrate critical and creative strategies for generating and sharing meaning

OUTCOMES FOR THE GENERAL EDUCATION W ^ d KEY W Z / – E – THE SENIOR SEMINAR

POL 350 Politics of Asia
POL 353 Politics of Development
POL 355 Politics of the Middle East
POL 357 Civil Wars and Ethnic Conflicts
SOC 275 Cultural Anthropology
SOC 315 Native North American Culture History
SOC 342 Peace and Justice in the Developing World
SPA 350 History and Culture of Latin America
THL 258 Asian Religions
Special topics and others as designated in the schedule of classes.

5. Effective Communication (9-17 credits)
COM 101 Public Speaking
ENG 101 English Composition
ENG 115 Written Analysis of Literature
FOREIGN LANGUAGE 102 for the B.A. and 101 for the B.S. degree. To satisfy this requirement, students may successfully complete the appropriate course or place into the next level.

C. Senior Seminar – All students are required to complete a senior seminar in their major department. To integrate general education with the major, a common university theme is incorporated into each major's seminar. Attendance at scheduled convocations is a required component of the senior seminar.

D. Convocations – Prominent speakers and performers are brought to campus to enrich general education experiences for the total university community. All students are encouraged to attend convocations. Convocations are a required component of each major's senior seminar course.

E. Senior Comprehensive – All bachelor degree candidates must satisfactorily complete a written comprehensive examination or the equivalent in the major field. Bachelor degree candidates in art and music prepare a public exhibi

ASSOCIATE DEGREE { E ò ð Z / d ^

A. Major—area of primary concentration (18-30 credits)

B. General Education Courses (25-29 credits)

1. W Z] o } • } ‰ Z] o v d Z } o [s] (P] credits) Z • } v] v P
   PHL 130 Human Nature and Person
   THL 105 Introduction to Theology

2. Scientific and Quantitative Reasoning 4(ve(v)6r)5(e)9(a)2(nd 2Td (i)8(n)-2(g)]TJ41 >>BDC -20.096 -1.229 Td ( )1c 10.157 02n)

Determining the Catalog in Effect f(n)-2u(O)8(Y)5(n)-2uu]TJ 0 Tc 017.06 0 0d ( )Tj EMC /P <</MCID 23>>BDC /TT2 1 Tf -.005 T

GRADING AND PERFORMANCE STANDARDS

Grading System

The quality of each student's work as determined by class achievement, tests, and examinations, is reflected in terms of letter grades. Points are given for each semester hour of credit in the course in which the grade is earned.

A 4.00 points: highest level of achievement, implying originality and initiative

A- 3.67 points

B+ 3.33 points

and a $15 fee is required for transcripts prepared while the student waits.

ACADEMIC PROGRESS, PROBATION, AND DISMISSAL

To graduate, the university requires a 2.00 or higher grade point average for all courses taken at Marian University and all courses which apply toward the major. The major, for the purpose of calculating the 2.00 graduation requirement, is defined as all courses required by the major (in and out of the department) plus any required or elective courses with the department prefix. To meet degree requirements, some disciplines require higher grades in each course or a higher cumulative grade point average.

Students are not considered in good academic standing if their cumulative grade point average falls below 2.00. If this occurs the student is warned and academic progress is watched closely.

Students will be placed on academic probation if their cumulative GPA does not meet the guidelines below for credits enrolled:

Total Credits Enrolled	Minimum

(includes AF, S, U, PM36jw -6.5uv32<</M.5uv387low 2.G4(l)-1(C)]TJ 0 Tcs.00,MCID 9, S(S)13sue0.001 we0.00Pn1R4343w 0 0 9 33lTj 6.518

chairperson. If there is no resolution at this level, then move to step three.

3. The student next meets with the dean of the appropriate school, presenting the documents generated in previous steps. This meeting is to be documented by means of a memorandum of record containing the meeting date, a summary of the results of the meeting, and the signatures of the student and dean. If there is no resolution at this level, then move to step four.

4. The student must submit a written appeal to the dean of academic affairs with a copy to the dean with whom the student met in the previous step. The written appeal must state what is requested concerning the grade, the reasons that the assigned grade is not considered a complete or fair assessment of work accomplished in the course, and must be accompanied by the documents of record generated in each of the previous steps. The time limit for filing the written appeal with the dean of academic affairs is six weeks from the release of grades.

5. The dean of academic affairs presents the written case and documentation to the vice president for academic affairs (VPAA). If the VPAA determines that further clarification is needed to reach a decision, a meeting is arranged involving the student, the instructor, and the VPAA for discussion of the appeal. The purpose of this meeting is primarily clarification of the situation.

6. After considering all the information received, the final decision on the fairness of the grade is made by the VPAA. In this context, “fairness” applies to the objective and unbiased assignment of the grade. If the VPAA determines that the grade was unfairly assigned, this decision is conveyed to the instructor, the chairperson, and/or dean of the school for objective and unbiased correction. The student will receive written documentation of the outcome.

u] & } Œ P] À v • • W } o] Ç

An academic forgiveness policy option is available to Marian University students who re-enroll at Marian University after a lapse of five or more years. The following guidelines apply:

1. An academic advisor should discuss this policy with the student at the time of re-enrollment. Students must file a completed request with the dean of academic affairs before the end of their first academic semester back. The request form must be signed by the student and the academic advisor.
2. Only course grades of "C" or better apply to the current degree: these are not calculated in the GPA.

1.

from two-year colleges transfer in as 100 or 200 level courses according to Marian University's numbering system.

Military Service Credit

SUBJECT EXAMINATIONS		MARIAN UNIVERSITY'S EQUIVALENCY (CREDITS)
Composition and Literature:		
American Literature		ENG 100 level elective (3)
College Composition		ENG 101 (3)
English Literature		ENG 100 level elective (3)
Foreign Languages:		
French Language:	Level 1 score = 50	FRE 101, 102 (8)
	Level 2 score = 62	FRE 200, 201 (14)
German Language:	Level 1 score = 50	GER 101, 102 (8)
	Level 2 score = 63	GER 200,201 (14)
Spanish Language	Level 1 score = 50	SPA 101, 102 (8)
	Level 2 score = 63	SPA 200, 201 (14)
Level 1 is equivalent to the first two semesters of college level foreign language.		
Level 2 is equivalent to the first four semesters of college level foreign language.		
History and Social Sciences:		
American Government		POL 102 (3)
History of the United States I		HIS 216 (3)
History of the United States II		HIS 217 (3)
Human Growth and Development		PSY 220 (3)
Introduction to Educational Psychology		EDU 174 (3)
Introductory Psychology		PSY 101 (3)
Introductory Sociology		SOC 101 (3)
Principles of Macroeconomics		ECN 201 (3)
Principles of Microeconomics		ECN 202 (3)
Social Sciences and History		General Elective (3) (not HIS/SOC/POL)
Western Civilization I		HIS 100 level elective (3)
Western Civilization II		HIS 100 level elective (3)
Science and Mathematics:		
Biology		BIO 202 (4) – No lab credit
Calculus		MAT 230, 231 (8)
Chemistry		CHE 151, 152 (8)
College Algebra		MAT 140 (4)
College Mathematics		MAT 105 (3)
Natural Sciences		SCI 102, 103 (6) – No lab credit
Pre-calculus		MAT 100 level elective (3)
Business:		
Financial Accounting		ACC 210 (3)

Personal Counseling:
Personal counseling is available to assist all students who experience problems that interfere with the realization of their academic, interpersonal, spiritual, and vocational goals. Students may seek counseling for a variety of reasons, some of which may include problems with adjustment to university life, family conflicts, relationship difficulties, depression, anxiety, eating disorders, and substance abuse. The LCC is designed to handle acute and short-term mental health situations. Group counseling is available depending on student need and interest. Referrals to off-campus community agencies may be necessary and are available. Off campus referrals are at the student's expense.

Peer Tutoring:
Peer tutors are usually available in most academic subject areas. Students who have demonstrated academic excellence in a specific subject area and have been approved by a faculty member can tutor students who desire academic support in those courses. This service is dependent upon tutor availability for specific courses and is not guaranteed for a specific course or at all times throughout the semester. In addition, a peer tutoring center located in Clare Hall is available to provide walk-in help.

Resource Library:
Audio and video tapes and resource books are available for check-out on topics such as: Praxis/PPST preparation, graduate school admission (GRE, GMAT, MCAT), time management, organizational skills, study strategies, note-taking, test anxiety, speed reading, memory skills, stress management, depression, eating disorders, substance abuse, personal growteeae talabResoSorg23(s)nt9(c)82(d8(ar)1t9(h D)5(ar)1r)10abars e3welabd [(gr)-1(a)-4I9siutcour5( )]TJ -2(s)11(qu

Cross-]•]‰o]v u] W Œ}P Œ u•

Marian University offers various cross-disciplinary academic programs which provide a value-added experience for our students. These programs have specific requirements and are housed within the various schools of Marian University.

Participation in these programs is not restricted to specific academic majors. If you have questions not answered in the text, contact information is provided at the end of each program description.

dual degree programs are designed to be completed over a

For more information, visit http://www.marian.edu/honors or contact the Honors Program director, Carolyn Johnston, Ph. D., at 317.955.6144 or at cjohnston@marian.edu, or Vickie Carson, Centers assistant at 317.955.6132 or vcarson@marian.edu

may earn enhancement credits toward graduation by

For further information, visithttp://www.marian.edu/rmc

of “C” or above. A portfolio demonstrating drawing skills and an understanding of design principles must pass a department review. Graphic design concentration students must complete the fundamentals programs plus ART 229, 326, 327, and 426. Students earning only a concentration are not eligible for an internship in graphic design.

Minor in Art: 24 to 25 credits including ART 104, 106, 201, 206, 221, ARH 240, one upper-level art history course, and one upper-level art elective.

Minor in Graphic Design: 18 credits minimum in art and art history including ART 106 or 109, 206, 229, ARH 240, and two additional art courses from 155, 255, 326, 327, 329, or 380 on a graphic design topic.

D] v } Œ] v W Z } 21 credits including ART 104, 106, 255, 355, 365, 375, and ARH 370.

Minor: 18 credits, excluding ENG 101 and 115, and including at least six credits of 300- and/or 400-level English courses.

Minor in English as a Second Language: 21 credits, including ENG 304, 307, 360 or 460, and one three-credit elective to be determined in consultation with advisor. Also required: EDU 318/518, 328, and 358. EDU 514 can replace 518 only for Masters of Arts of Teaching students.

Concentration in Writing: 18 credits including ENG 100 or 255, 204, 239, 302, 360 or 460, COM 330, and/or other writing courses to be selected in consultation with the student's advisor.

FRENCH (FRE)

For more information on the French program, contact Wendy Westphal, Ph.D. by e-mail at wwestphal@marian.edu or by phone at 317.955.6429.

Major for Bachelor of Arts Degree (B.A.) in French: minimum of 33 credit hours above the 101 level, with at least 18 credits in upper-level (300-400) courses. Hours are to include language skills (220, plus a minimum of two courses from 200, 201, 230, 310, or 380), history and culture (minimum of two courses from 315, 316, 320, or 380), literature (minimum of three courses from 340, 345, 470, 471, or 480), the senior seminar (490) and capstone course (498), and two electives in French. Credits earned in an approved study abroad program count toward major requirements, and are applied to skills and culture areas.

Minor: 18 credits above the 101 and 102, and including 220, 230, and 310.

GENDER STUDIES (GST)

For more information on the gender studies program, contact Diane Prenatt, Ph.D., by e-mail at prenattd@marian.edu or by phone at 317.955.6395.

Minor: 18 credits including GST 200, 210, and 490, and nine additional credits of 300-level GST courses.

GERMAN (GER)

For more information on the German minor, contact Wendy Westphal, Ph.D. by e-mail at wwestphal@marian.edu or by phone at 317.955.6429.

Minor: 18 credits above the 102 level to be determined in consultation with the advisor.

W E : h ^ dU DIES d

For more information on the peace and justice studies program, contact Bill Mirola, Ph.D., by e-mail at mirola@marian.edu or liberalarts@marian.edu, or by phone at 317.955.6033.

D] v } Œ] v W v : µ 18 credits including SOC 145, and POL 155 and 12 credits selected from COM 201, 221, 333, 353; ENV 170, 171; HIS 336, 440; PHL 215, 240, 230, POL 353, 359; SOC 265, 270, 305, 320, 325, 342, 360, 370, 375; THL 321 or 322.

This minor is interdisciplinary, drawing from courses across the curriculum. Students explore theories of peace and justice, examine and analyze the economic, social, and political causes of injustice, and consider ways to create

Clark H. Byrum School of Business

The Byrum School of Business offers majors in accounting, economics, finance, management and marketing. The school advances the mission of Marian University by providing an excellent education that profoundly transforms lives, society, and the world through its own mission: to prepare students, through excellence in teaching and learning, to become leaders in their chosen professions, and to make ethical and informed decisions in their daily lives.

Students majoring in accounting, finance, management, and marketing complete a 39-credit common core of courses consisting of BUS 109, 209, 290, 309, 360 or 365, 401, and one of the following: BUS 325, 445 or a second internship (BUS 360/365). Students also complete additional coursework outside the core that is specific to their major.

For more information on any of the degree programs listed below, please contact the Clark H. Byrum School of Business office at 317.955.6765 or by e-mail at business@marian.edu.

ACCOUNTING (ACC)

The accounting program's academic credits are accepted by the Indiana State Board of Public Accountancy for qualification to sit for the Uniform CPA (Certified Public Accountant) Examination and the Institute of Management Accountants CMA (Certified Management Accountant) Examination.

Major for Bachelor of Science Degree (B.S.) in Accounting: 72 credits including: 39 credit common core consisting of BUS 109, 209, 290, 309, 360 or 365, 401, and one of the following: BUS 325, 445 or a second internship (360/365); 30 credits including ACC 250, 310, 320, 321, 430, 431, 440 and 455, FIN 111, 311; and 3 credits from FIN 411 or MIS 320.

150-, } µ Œ } µ v š] v P The State of Indiana requires that a first time CPA exam candidate must obtain at least 150 credit hours of college education, including a bachelor or higher degree conferred by an accredited college or university.

This law applies only to individuals who plan to sit for the CPA examination. Students receive a B.S. degree in accounting from Marian University after the completion of the traditional four-year program of 128 credit hours. Students choosing to complete the 150-Hour Accounting Program may do so through a variety of options and will receive a certificate at graduation.

With approval, undergraduate and graduate courses from other accredited colleges and universities may apply.

Minor: 21 credits including 210, 211, 310, 430, FIN 111, and six credits of approved ACC electives. Also required: BUS 101, 290, 301, MIS 101, and ECN 202.

BUSINESS ADMINISTRATION (BUS)

Concentrations:
Business Creation and Development: 12 credits in business. Required courses are 262, 372, 365, and 485. Only available to majors in the School of Business.

Human Resources Management: 12 hours in business including BUS 250 or 351, BUS 352 or PSY 310, BUS 358, and BUS 362. Students in this concentration use these 12 hours in substitution for upper-division management electives required of a management major. Only available to majors in the School of Business.

Motorsports Management: 12 credits including BUS 135, BUS 222, BUS 311/ESS 310, and BUS 348. BUS in a Motorsports area is strongly recommended. The concentration is only open to majors in the School of Business.

Nonprofit Management: 12 credits in business including 370, 371, 373, and 375.

Sport Marketing: 15 hours in business including BUS 303/ESS 354, BUS 311/ESS 310, BUS 348, and ECN 321. Only available to majors in the School of Business or Department of Exercise and Sport Studies as long as pre-requisites are met.

Minors:
Business: 18 credits of business courses consisting of 109 and 209.

Business Administration: 18 credits of business courses including 101, 240, 250, 301, and two department approved electives. Also required: ACC 210 and ECN 200.

Business Creation and Development: 18 credits in business. Required courses are 262, 372, 264, 374, 365, and 485. Not available to majors in the School of Business.

Business in Healthcare: 18 credits. Required courses: 101, 358 (or equivalent), ECN 315, and an additional nine credits from ACC 210, BUS 240, 351, 352, 401, and PSY 310. Only open to nursing majors.

Business Technology: 18 credits in MIS courses. Required courses: MIS 101, 201, and four courses chosen from MIS 290, 310, 317, 320, and 330.

Motorsports Management: 18 credits including BUS 240, 250, 135, 222, 311/ESS 310, and BUS 348. BUS 367 in a Motorsports area is strongly recommended.

School of Education

The School of Education advances the mission of Marian University through its dedication to providing an excellent education in all offered areas. The School of Education includes the departments of education, and exercise and sport studies, and offers a master of arts degree in teaching; two bachelor of arts and one bachelor of science degree in the areas of education and health and physical education; three minors and one concentrations.

For more information on degree programs listed below, please contact the School of Education Office at 317.955.6089 or by e-mail at education@marian.edu.

STUDIES IN EDUCATION

The Studies in Education major is a professional education program leading to a bachelor of arts degree. This major is not a licensure degree but maintains emphasis on the education course content. The common learning component; and field and practicum placements continue to provide professional skills. An additional focus area could be minor chosen by the student. This interdisciplinary degree is an option for studen[illegible]

complete this assessment as part of EDU 456. Students adding middle school licensing to either the elementary or secondary levels complete the Phase 2 assessment as part of EDU 457. Teacher candidates working toward a minor in exceptional needs are assessed in EDU 233, 338, 368, and 369 using performance scores and examining final grades with a minimum of "C" required in each course and a cumulative GPA of 2.50 or above.

2) Students must make formal application to student teach with the School of Education, attend meetings the semester prior to student teaching and the semester of student teaching, and meet required deadlines for the semester they expect to student teach. Deadlines are posted in the School of Education office and on the Marian University web site calendar.

W Œ } P Œ u } u ‰ o š] } v l W Z • ï • • • • u v š

1) For the Elementary Program, students must complete specific requirements to be eligible for graduation and licensure. Upon successful completion of student teaching, EDU 490, PRAXIS II testing, the student teaching portfolio, and minimum GPA requirements, students complete the program.
2) For the Secondary Program, upon successful completion of the seminar in the major, student teaching, PRAXIS II testing, the student teaching portfolio, and minimum GPA requirements, students complete the program.

The School of Education publishes its yearly Title II basic skills and subject area scores and state ranking on its web site at www.marian.edu.

^ Z } } o } (µ š] } v W Œ } P Œ u Æ ‰ š š] } v l
The Marian University Education Program is based on 11 program principles. These include the following expectations:

- knowledge of subject matter
- knowledge of child development
- cultural competence
- good instructional and assessment practice based on differentiation
- curriculum development and planning
- positive classroom environment
- strong collaborative skills
- reflective practice
- value and respect for children, parents and colleagues
- ability to work with diverse communities
- a moral commitment to children and their parents

Major for Bachelor of Arts Degree (B.A.) in Elementary Education
Requirements for grades K-6 for students in the Bachelor of Arts in Elementary Education program include:

1) General education requirements for the B.A. include specific requirements of nine credits to enhance philosophical and theological reasoning (PHL 130 and THL 105 with one additional course in theology); 20 credits in scientific and quantitative reasoning (SCI 101, 103/104, 301, MAT 115 and 116); nine credits to develop individual and social understanding (PSY 220, SOC 101, and economics or political science); 17 credits to foster cultural awareness (one course in U.S history, one in world history, HUM 230 and 231, and one course from the cross-cultural listing); and 17 credits to enhance effective communication (ENG 101, 115, COM 101, and foreign language). Students must earn a minimum grade of "B" in ENG 101 and ENG 115.
2) Professional education courses and student teaching comprise the elementary education major: 120, 174, 175, 221, 230, 314, 315, 325, 346, 347, 444, 446, 490, MAT 115 and 116, SCI 301, and student teaching.
3) Students must meet the 2.50 GPA requirement in all areas of licensure and earn a minimum grade of "C" in all courses in the major.
4) Successful completion of all phase assessments.

The elective component for elementary teachers provides an opportunity to add breadth and/or depth to the undergraduate experience. Students are encouraged to add the minor in exceptional needs: mild intervention, English as a New Language, or another minor to compliment the elementary education major. Students are also encouraged to take GEO 101, Introduction to Geography.

Students successfully completing this major and the phase assessments are recommended for the Indiana primary and intermediate teaching licenses, covering grades K-6.

Minor in ^ ‰] o µ š] } v W Œ } P Œ u
Exceptional Needs, Mild Intervention

qualify a history, economics, political science, psychology, or sociology major to earn a license as a middle school or high school social studies teacher.

Secondary education minors must consult the School of Education for specific Indiana requirements. Students are expected to meet with their content advisor and the Director of Secondary Education prior to registering for any courses. Students must meet the developmental licensing standards, as specified by the Indiana Professional Standards Board.

Course requirements for students minoring in secondary education:

1) General education as required for the bachelor degree. Students must earn a minimum grade of "C" in ENG 101 and ENG 115.
2) Major requirements with any additions needed for a or(a)2(ddi)5(t)3(i)5(o)2(ns)10(ne)9(e)9(de)9(d f)9(o)2(r)5(a)2(or)5(c)6(

School of Mathematics and Sciences

The School of Mathematics and Sciences advances the mission of Marian University by providing a curriculum rich in opportunities to develop critical thinking and quantitative and numerate skills that can be used in contemporary situations. There are seven bachelor's degrees, one associate degree, six concentrations, and four minor programs available in the areas of biology, chemistry, mathematics, and physics. The biology program also offers a bachelor degree that can lead to becoming a registered medical technologist. The chemistry program offers a degree in chemical technology that prepares students to become a research assistant or laboratory technician. Students may also pursue requisites for progress to a career in medicine or the health sciences.

Teaching requirements: High school licensure is available in mathematics, chemistry, and biology. Students who wish to teach in a content area must meet all requirements for the chosen major field, and meet the School of Education's developmental licensing requirements. Contact the School of Education for high school licensing programs, descriptions and specifics for each licensure area. All courses are subject to change based upon current requirements from the Division of Professional Standards, Indiana Department of Education.

Mathematics Placement Test: All students who have scored less than 500 on the SATM or less than 19 on the ACTM are required to take the mathematics placement test. The results of the test are used to place students in the appropriate mathematics courses.

BIOLOGY (BIO)

For more information on biology programs, contact the Office of the Dean at 317.955.6331 or mathandscience@marian.edu.

Major for Bachelor of Science Degree (B.S.) in Biology: To earn a B.S. degree in biology, a student must take: (1) 201, 202, 203, 204, and 490; (2) at least 15 other credit hours in biology above 214; (3) CHE 305-306; (4) MAT 215 or above; (5) another MAT course above 215; or PSY 205; and (6) PHY 110-111. The student must complete at least 60 credit hours in mathematics (course numbers at or above 215) and sciences (BIO course numbers above 200 other than 214, CHE course numbers at or above 150, and PHY course numbers at or above 110). Biology majors must earn a "C" or better in all biology courses that fulfill biology major requirements. Students who have not previously completed all the prerequisites for these courses will be expected to take those courses before beginning the required courses. In some cases, this may cause a student to take more than the normal four years to complete the degree requirements.

Major for Bachelor of Arts Degree (B.A.) in Biology: To earn a B.A. degree in biology, a student must take: (1) 201, 202, 203, 204, and 490; (2) at least 15 other credit hours in biology above 214; (3) either CHE 101-102 or CHE 151-152-305; and (4) PHY 110-111. Biology majors must earn a "C" or better in all biology courses that fulfill biology major requirements. Students who have not previously completed all the prerequisites for these courses will be expected to take those courses before beginning the required courses. In some cases, this may cause a student to take more than the normal four years to complete the degree requirements.

Concentrations in Biology: Depending on the courses selected, a student may earn either a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) in Biology within the chosen concentration.

Concentration in Bioinformatics: 415, 440, CHE 311, CHE 312, MAT 231, and MAT 310. The student must also take at least 6 credit hours from: 410, 498, CHE 435, MAT 305, MAT 315, and MAT 430.

Concentration in Cell and Molecular Biology: 410, 415, CHE 311, and 2(5,)-4(440,)-4(-4(44)1(4(h)-6(e)3(s)-85)-3(u)-6(d)-6(e)

The B.S. Degree in medical laboratory science requires 22 credit hours of biology courses, which includes BIO 201, 203, 340 or 214, 225, 226, and 345; completion of all general education requirements; 16 credit hours of chemistry including CHE 151 and CHE 152 (

MATHEMATICS (MAT)

For more information on mathematics programs, contact Sr. Carol Slinger, OSF, M.S., 317.955.6073 or by e-mail at carsling@marian.edu or mathandscience@marian.edu.

Major for Bachelor of Arts Degree (B.A.) in Mathematics: 34 credits in mathematics, including 202, 230, 231, 305, 310, 490, one of 340 or 420, one of 215 or 320, and two additional courses at or above 300. Also required are two science courses, one of which must be a laboratory course, chosen from BIO 202 or above (excepting 214), CHE 151 or above, ENV 170 or above, or PHY 110 or above. A grade of “C” or better in 231 is required in order to continue in the program.

School of Nursing

Accreditation

Marian University offers programs in nursing leading to the associate degree or the bachelor degree, which are accredited by the Indiana State Board of Nursing, the National League for Nursing Accrediting Commission (NLNAC) for the associate degree, and

Catalog of Courses

An alphabetical list of course descriptions is printed on the following pages. Each course is identified by a code of letters and a three-digit number. The number of credits per course is listed. Laboratory studio and practicum courses require additional contact hours.

Numbers below the 100 level are assigned to developmental courses designed to bring the underprepared student to college level proficiency. These courses are graded, and in combination with other enhancement courses, may apply up to 12 credits to the total of 128 credit required for the bachelor degree; six credits toward the 64 credits required for the associate degree (see respect graduation requirements).

Numbers 100–299 indicate lower division courses designed primarily for students at the freshman and sophomore levels. Normally, the content is introductory and basic to subsequent study in the discipline. Most general education courses are in this categ

Numbers 300–499 are upper division courses primarily for juniors and seniors, but open to students who have completed the freshman level of study. Normally, the content and requirements presuppose basic familiarity with the subject, which can be demonstrated through general education courses, prerequisite courses, or in conference with an advisor.

Number 499 designates independent study or a research project at an advanced level. One mark of a scholar is the ability to seize upon a specific problem or subject and research it to its conclusion, either in the laboratory or library, and then present those conclusions in a logical and persuasive fashion. Marian University encourages qualified students to engage in independent study a vital part of their college education.

Numbers 500–599 designed graduate level courses.

Not all courses listed in this catalog are offered each semester. The rotation code of each course is indicated at the end of the description. The codes are as follows:

- SEM – every semester
- FAL – every fall
- SPR – every spring
- 2FO – every other fall, odd year
- 2FE – every other fall, even year
- 2SO – every other spring, odd year
- 2SE – every other spring, even year
- ADD – at the discretion of the department
- SUM – summer
- F20XX – specifies semester
- Block 1 – MAT program summer semester
- Block 2 – MAT program fall semester
- Block 3 – MAT program spring semester

Prior to the beginning of registration a schedule of classes is distributed and used as the immediate guide for planning the student's schedule. The university reserves the right to add to or delete from the semester's schedule as registrations warrant. Fulfillment of prerequisites does not guarantee admission to any program. See the listings for program admission requirements.

í ô ì U î ô ì U ï ô ì U ð ô ì

Special Topics in Accounting 1-3 credits

Prerequisite: Permission of faculty. Selected topics applying to the study of accounting. Course subjects are announced at the time of preregistration, and may be repeated for different topics. The current economic and business environments will generate topics. (ADD)

ACC 210

W Œ] v] ‰ o • } (} µ v š] v P 3 credits

An introduction to accounting principles, practices, and systems for sole proprietorship, service, and merchandising businesses. Study includes the basic accounting model and the measuring and reporting of assets and current liabilities. Computer applications are utilized. (FAL)

ACC 211

W Œ] v] ‰ o • }g(ll } µ v š] v 3 credits

Prerequisite: 210. An introduction to accounting for corporations and manufacturing businesses. Study includes special reports, analysis of accounting information, and an introduction to managerial accounting. Computer applications are utilized. (SPR)

ACC 250

Intro to Financial and Managerial Accounting 3 credits

An introduction to financial and managerial accounting principles, practices, and systems for service, merchandising, and manufacturing corporations. Study includes the use, measurement, and analysis of business transactions and financial statements from the financial accounting perspective. It also includes cost concepts, systems, behavior, and financial analysis of performance from the managerial accounting perspective. (SPR)

ACC 310

Advanced Managerial Accounting 3 credits

Prerequisite: 211. A study of management's use of accounting information through the preparation, analysis, and interpretation of financial statements and reports. Study includes the fundamentals of managerial accounting—planning, budgeting, controlling, and performance measurement. Other topics include capital expenditure analysis, analysis of financial statements, and time value of money concepts. Computer applications and financial calculators are utilized. (FAL)

ACC 311

Advanced Cost Accounting 3 credits

Prerequisite: 211. A study of cost analysis, activity-based costing, short-term decision making, responsibility accounting, divisional performance measurement, and cost centers as they apply to cost systems. Study also includes the principles and procedures of accounting for materials, labor, and overhead as they apply to job order costing, process

cetiorequisite: 2is, (r)5(c)6(o)8(s)-4(t)-3(a)-4(c)-4(c)-4(o)-4(u)-4(n)-3(t)-4(i)-4(n)-1(g)-T*-4(a)-4(d)-4(v)-4(a)-4(n)-1(c)-4(e)-4(d)-4(c)-4(o)-4(s)-4(t)-3(a)-4(c)-4(c)-4(o)-4(u)-4(n)-3(t)-4(i)-4(n)-1(g)-T*-4(a)-4(d)-4(v)-4(a)-4(n)-1(c)-4(e)-4(d)-4(c)-4(o)-4(s)-4(t)-3(a)-4(c)-4(c)-4(o)-4(u)-4(n)-3(t)-4(i)-4(n)-1(g)-T*-4(a)-4(d)-4(v)-4(a)-4(n)-1(c)-4(e)-4(d)-4(c)-4(o)-4(s)-4(t)-3(a)-4(c)-4(c)-4(o)-4(u)-4(n)-3(t)-4(i)-4(n)-1(g)-T*-4(a)-4(d)-4(v)-4(a)-4(n)-1(c)-4(e)-4(d) (FAL)

ACC 440
Auditing 3 credits
Prerequisite or corequisite: 310. A study of the principles, theory, and practice of auditing. Study includes professional ethics, auditing standards, environment, concepts, tools, techniques, the audit engagement, and reporting responsibilities. An integrated comprehensive audit practice case is utilized. (2FE)

ACC 450
l Œ W Review Course ò Œ] š •
Prerequisites: 321, full-time enrollment, and instructor permission. An overall analysis and review of the American Institute of Certified Public Accountant's Uniform CPA (Certified Public Accountant) Examination. Study includes financial accounting and reporting, regulation, auditing and attestation, and business environment and concepts. The cost of the course is included in the full-time tuition fee. Tuition discounts do not apply. A Tuition Free Continuing Ed Certificate can be earned through The Becker CPA Review Course. (SEM)

ACC 455
• • v W Œ } o u •] v } µ v š] v P
and Finance 3 credits
Prerequisite: FIN 310. Serves as the senior capstone course for accounting and finance majors. The case method of instruction is utilized to analyze, present, and defend financial management cases. The case analysis involves the stages of investigation, design, and implementation of financial management theory applied within the team dynamic. Case study includes financial statements and time value of money, financial analysis and forecasting, working capital management, capital budgeting, long-term financing, and professional ethics. The American Institute of Certified Public Accountants (AICPA) and the Certified Financial Planner Board of Standards Codes of Ethics and Professional Responsibility are also studied. Cross-listed as FIN 455. (SPR)

ð ò ì U ð ò í U ð ò î
Co-op/Internship in Accounting and
Finance I, II, III 3-9 credits
Prerequisites to 460: 211 and permission.
Prerequisites to 461: 460 and permission.
Prerequisites to 462: 461 and permission.
Designed to give qualified upper division accounting and finance majors' on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. Cross-listed as FIN 460, 461, 462. Graded S/U. (ADD)

ACC 470
Accounting Internship 12 credits
Prerequisites: Faculty permission, and participation in the 150-hour Accounting Certificate Program. Designed to give qualified upper division 150-hour Accounting Certificate Program students an immersion experience in the accounting profession, as students work full-time for sixteen weeks. The student and the employer give periodic reports and evaluations. Accounting internship placements are paid positions. Internship learning credits do not count toward credits required in the major. Graded S/U. (SEM)

ACC 499
Independent Study in Accounting 1-3 credits
Prerequisites: Junior or senior accounting major and permission. Guided study and/or research in accounting. (ADD)

ARH 240
Survey of Western Art 4 credits
This course studies the development of the Western visual art from Paleolithic period to the present. (FAL)

ARH 247
Survey of Intercultural Art 4 credits
A general examination of the cultures, art, and architecture outside the Western tradition with particular emphasis placed upon Native America, Africa, India, China, Japan, and the Pacific Islands. With the exception of ARH/ART majors, this course partially satisfies the general education requirement in the cultural awareness category. (SPR)

ARH 2ð ô
Introduction to Archeology 3 credits
Prerequisites: SOC 101 or 175, HIS 102, or permission. This course is an introduction to the history and methodology of archeology. Archeology plays an important role in both anthropology and art history. The course examines the structure and formations of the archaeological record and how this is used to reconstruct the nature of ancient

ARH 330
The Classical World 3 credits
Prerequisite: 240 or HIS 102 or permission. A study of the history and art of the Greeks and Romans through their lives, deaths and their cultural constructs including, but not limited to religion (myth), ritual, politics, the city, athletics, gender relations, and warfare. (F201)

ARH 335
The Medieval West 3 credits
Prerequisite: 240 or HIS 102 or permission. A study of the

ARH 490
Senior Thesis Seminar 1-3 credits
Prerequisite: Art history major, minor, or by permission. A senior level research class required for all art history majors. Each student researches and writes a major paper on a topic mutually agreed upon by student and art history advisor. They then defend the paper to a panel of three faculty. Student may enroll for one to three credits; may repeat one time for a total of three credits. (FAL)

ARH 499
Independent Study 3 credits
A senior-level research course with a topic mutually agreed upon by the student and the faculty member. May include either an annotated bibliography or a research paper and may be taken more than once if the topics vary. (ADD)

ART 104
Basic Drawing 3 credits
Introduction to basic drawing skills including contour drawing, gesture drawing, rendering, figure drawing, and perspective drawing. Six contact hours per week. (FAL)

ART 105
Ceramics I 3 credits
Introduction to the creative possibilities of both functional and sculptural ceramics. Creativity and good three-dimensional design are emphasized. The course includes instruction in the basic fundamentals of clay construction, potter's wheel techniques, glaze application, and firing. Six contact hours per week. (FAL)

Z d í ì ò

PhotoShop, and other current computer programs used in the production of graphic design. Six hours contact per week. (FALL)

ART 237
W Œ] v š u l] v P / 3 credits
Prerequisite: 104, 106, or instructor permission. An introduction to the arts of relief and intaglio printmaking. Students are introduced to basic relief techniques such as the linocut and the woodcut, and to intaglio techniques such as the drypoint and etching. This course fulfills one of the requirements for art education certification. Six contact hours per week. (2SE)

ART 255
W Z } š } P Œ ‰ Z Ç / 3 credits
A basic photography course designed to acquaint the student with artistic use of the camera and darkroom. Six contact hours per week. (SEM)

research, writing, analyzing the written essays as well as analyzing the visual work. (SPR)

ART 355
W Z } š } P Œ ‰ Z Ç / / 3 credits

Z d ð ò í

Art Therapy Internship 3 credits

Prerequisites: Junior or senior art major concentrating in art therapy, 3.00 in both art and psychology courses, a 3.00 overall GPA, 371, completed resume, and department permission, interview and approval of site. This course is an approved, not-for-pay internship or work experience for Marian University students majoring in art therapy. Students must have completed 80 credits towards degree with at least 30 credits taken at Marian University. Field experience is contracted between the student and the cooperating establishment with the approval of the department liaison. The contract includes goals, procedures, credit assignment, supervision and evaluation criteria. Credits earned in the internship are not included in the 40 Tc vr pet, I71 I0, ,0e0 ty29 T4 Tc 0.007( )T1(e c)-3(S7 [(/ Tc Ut)-8(y4(ct)()]TJS7 [(E.494 M Tc

Three lecture hours and four laboratory hours per week. (SEM)

/ K î î ò

' v Œ o , µ u v W Z Ç •] } o } P Ç5 credits

The content of this course will provide a full description of all the essential aspects of human physiology. This course is designed to provide all the essential physiological content required for anyone going forward into a health profession. Four lecture hours and three laboratory hours per week. (SEM)

/ K î î ô

Marine Biology 4 credits

BIO 202 is not required but strongly recommended. More than 70% of the surface of the Earth is comprised of ocean environment. The sea, the largest ecosystem on Earth, is still largely unexplored. However, new species are continually being discovered. In addition to the obvious fascination and mystery of the sea, the oceans have a significant impact on our climate, agriculture, transportation, food supplies, recreational opportunities, economics, politics, national defense and overall way of life. The climatiological and economic impact of El Nino and the Pacific Dodecadal Oscillation (PDO) alone dictate a need for a better understanding of the relationships between oceanic, atmospheric and terrestrial ecosystems. Emphasis in this course will be placed on an understanding of the physical, chemical, biological, and geographical factors of the marine environment that impact our everyday lives. Three hours lecture and three hours lab each week. May include optional spring break trip. (2SE)

BIO 251

Kinesiology 2 credits

Prerequisite: 225 45(ea)-12SE001 Tc 0.024 Tw 0 -2-4(t)- S0-DOR(n)-4 Tc 0 Tw 9.265 0 8[(l)5Tj EMC /P <</MCID 12 >>BDC 3-0.

BIO 323
Ornithology 4 credits
Prerequisite: 201, 202. An examination of the evolutionary

BIO 372
Invertebrate Biology 3 credits
Prerequisite: 201, 202, 203, 204. This course is designed to present students with the diversity of invertebrate life with an emphasis on the developmental biology of invertebrates, their major body plans, evolutionary interrelationships, and ecology. The overlying theme of the presentations will be: 1) the structure and function of each system; and 2) to place every topic into a framework of evolutionary adaptive significance. Three hours of lecture and one three-hour laboratory period per week. (ADD)

analysis and management, comparisons of available databases, and computational analysis tools relevant to

BUS 135
Survey of the Motorsport Industry 3 credits
This course addresses such topics as history of the industry,

h ^ î ò ð
Accounting and Finance
for Small Business 3 credits
Prerequisite: 101. This course is an introduction to accounting principles, practices, and systems for entrepreneurs and proprietors of small businesses. Integrated in the accounting principles is financial statement analysis including ratio analysis, time value of money, and the risk/return tradeoff. (ADD)

h ^ î ô ì U ï ô ì U ð ô ì
Special Topics in Business 1-4 credits
Selected topics of interest to the business administration field. (ADD)

BUS 290
Business Career Seminar 3 credits
Prerequisite: Sophomore class standing or permission. This course develops students' abilities to successfully handle many of the challenges faced when approaching the job market either as job seekers or as prospective employers. Career planning, industry research, preparation and evaluation of appropriate documentation (resume, cover letter, thank you letter), and interviewing techniques are

credits. Cœop/Internship credits do not count toward credits required in the major. Graded S/U. (SEM)

h ^ ï ò í
Employee Training and Development 3 credits
Prerequisite: 250. A study of the interrelatedness of lifelong

BUS 401
Business Ethics 3 credits
Prerequisite: Senior class standing or permission. Integrates the general education theme and readings. Attendance at convocations required. This course deals with a study of the role of ethics, morality, and social responsibility in the business environment. Students are challenged to better understand the role of business managers in dealing with difficult ethical dilemmas, improve their skills in analyzing and resolving business issues and ethical conflicts, and to critically examine assumptions and values that stakeholders have in complex business decisions which raise ethical issues. The case study method is used extensively to review topics such as consumer product safety, truth in advertising, affirmative action, sexual harassment, employee rights and responsibilities, whistleblowing, conflicts of interest, and workplace safety. (SEM)

BUS 445
National Student Advertising Competition 3 credits
This course encompasses intensive investigation of the special problems involved in developing campaign concepts. Using the AAF National Student Advertising Competition to determine client, budget and campaign objective, students will develop an advertising/marketing/media strategy. The fully developed and designed marketing communications campaign will be ready to present to a panel of industry executives at the AAF District Conference in the spring and, if selected to advance, the AAF National Conference in early June. This course can be repeated; only 3 credits can count toward the major. (SPR)

BUS 450
International Business 3 credits
Prerequisite: 240, 250. A course designed to study the present and future implications of international trade and its economic impact on the United States. Emphasis is placed on the analysis of case studies and current affairs in the context of international business. (2FE)

BUS 455
Arts Business Management 3 credits
Prerequisite: 101. A comprehensive study of management principles in the arts, with emphasis on the organizational structure unique to not-for-profit cultural organizations; the legal, fiscal, and developmental responsibilities including the marketing and administration of theatres, museums, and concert halls. (ADD)

h ^ ð ô ñ
Business Creation
and Development Capstone 3 credits
Prerequisite: 240, 250. This course is the capstone experience for those students completing the minor or concentration in business creation and development. The featured project in this course is the business plan. The student will produce a professional quality business plan suitable for financial acquisition or strategic management of a company. (2SO)

BUS 495
µ •] v • • W } o] Ç v ^ š Œ š 3 credits
Prerequisite: FIN 310 and senior class standing, or permission. This course serves as the academic “capstone experience” for business administration, management, and marketing majors. Through a survey of strategic management and policy formulation theory along with participation in a competitive management simulation experience, students acquire an understanding of and an appreciation for the complexities of decision-making at the corporate level. Students prepare written case analyses involving business strategy and make oral presentations of their competitive activities within the simulation. (SEM)

BUS 499
Independent Study 1-3 credits
Prerequisite: Permission and junior or senior business administration major. Guided readings and research. (ADD)

CHE 100
Elements of General and
Biological Chemistry 4 credits
An introduction to the principles of general chemistry, organic chemistry, and biochemistry. This course is designed for students in the health science areas. Four lecture hours per week. (SEM)

CHE 110
Fundamentals of General, Organic,
and Biological Chemistry I 4 credits
Prerequisite: High school chemistry or instructor permission. Also, high school algebra or MAT 105. A broad-based introduction to the essential topics of general chemistry, organic chemistry, and biochemistry. This course is designed primarily for students seeking a B.A. in Biology, and does not count towards degree credit for a B.S. in biology or for any chemistry degree. Three lecture hours and three lab hours per week. (FAL)

CHE 111
Fundamentals of General, Organic, and
Biological Chemistry II 4 credits
Prerequisite: 110 or instructor permission. A continuation of CHE 110. This course is designed primarily for students seeking a B.A. in Biology, and does not count towards degree credit for a B.S. in biology or for any chemistry degree. Three lecture hours and three lab hours per week. (SPR)

CHE 151
General Chemistry I 4 credits
Prerequisite: One year of high school chemistry, or either CHE 100 or 110, or instructor permission. Also, high school pre-calculus with a grade of “C” or better, or MAT 014. A study of the fundamental laws, principles and theories of chemistry,

teratogenesis, and a survey of the major classes of chemical agents commonly encountered in our living environment. Three lecture hours per week. (SPR)

CHE 325
W Z Ç •] o Z u] • š Œ Ç / 4 credits
Prerequisites: 152 or equivalent preparation and MAT 230, 231, or instructor permission. A study of the physical basis of chemistry including classical and statistical thermodynamics, chemical kinetics, quantum mechanics, and the fundamental principles of atomic and molecular spectroscopy. Laboratory focuses on the application of the methods of physical chemistry to experimental measurements and data analysis and the solution of theoretical problems using computer based and other methods. Three lecture hours and three lab hours per week. (2kntal Td9.06 EMC /P <</MCID 4 >>BDC /T51 1 Tf -0.044 Tc 0.9.06
C<>-2<0-]TJ 2C<016F002J /T000303EF<017303EE>-10>3F2 Tf 0 Tc 0 Tw 8.301 0 Td W Z Ç •] o Z u] • š Œ Ç /

department in order to receive credit. May enroll for two or three credits. (ADD)

COL 099
College Reading
and Learning Strategies 3 credits
This developmental course includes instruction in learning strategies such as notetaking, test taking, time management,

ECN 310
Environmental Economics 3 credits
Prerequisite: 200, 202, or permission. This course explores the economic issues rel

study. The course requires students to work in a classroom one morning a week. (SEM)

EDU 175
Introduction to Schools and Society 3 credits
This course focuses on the foundations of education including multicultural education and the diversity of students. Topics include the goals of schooling, the impact of schools, and the history of schools, particularly in the twentieth and twenty-first centuries. Current trends and issues are also explored. The course requires students to work in various classrooms one morning per week. (SEM)

EDU 221
Expressive Arts 3 credits
This course considers the expressive arts ~~arts~~ visual arts, drama, dance and movement, music, technology, media, physical education, and health and nutrition ~~in~~ in relation to the Indiana Academic Standards, the NSAE Standards and the

h ï ï ô
Curriculum and Methods
for Exceptional Needs 3 credits
Prerequisites: 130, 233, and successful completion of Phase I. This course includes examination, discussion, evaluation, and use of the materials available in the inclusive classroom and in a resource room with children with exceptionalities. (SPR)

EDU 339
Curriculum and Methods:
MS/HS Exceptional Needs 3 credits
Prerequisites: 130, 233, and successful completion of Phase I. This course will assist students in developing and adapting the curriculum in order to meet the needs of children with exceptional needs in middle school and high school. Specific subject areas instructional methods and materials will be reviewed and general instructional strategies and student skills will be presented. (ADD)

h ï ð ò
Elementary Reading and Language Arts 4 credits
Prerequisites: 130 or 230, PSY 220, and successful completion of Phase I. This course integrates reading and oral and written communication theory and teaching strategies in grades K-6. The course includes study of skills and strategies, methods of teaching, materials and resources, and evaluating and organizing to meet students' individual needs. A practicum is required for this course. (FAL)

EDU 347
Elementary Reading and
Children's Literature 5 credits
Prerequisites: 346 and successful completion of PHa
Corequisite: 325. This course integrates elements of reading and the study of children's literature. The course includes diagnosis and techniques for assisting children with reading problems, use of diagnostic instruments, and remedial instruction. It also includes a focus on genres of children's literature, selecting and evaluating and using children's literary materials in and out of the classroom. A practicum is required for this course. (SPR)

EDU 351
Reading and Writing
in the Content Areas 4 credits
Prerequisite: Successful completion of Phase I and 263. This
le(e)s 5d s-44(i10 h)5(l [(l)4(t)-3(i)3-i)51()5(a)-4(l)5gIlil [(l)o(e)3(ct)- cl(i)-n9 0 Tsile(w -16(f-1-18(a(i)-1--1(l)-1(d)]TJ 0 -1m9(quiap)4(

the current status of special education in the schools. The course examines the special educator's leadership role in collaborative consultation. Students begin to develop the skills necessary to participate in effective collaboration on

assisting with reading problems, use of diagnostic instruments and methods and materials for remediation, use of reading in teaching social studies concepts, emphasizing the moral development of children and multicultural level appropriate literature. (ADD)

the faculty advisor. Five hours a week are expected per credit. May be repeated for up to six total credits. Graded S/U. (SEM)

ENG 101
English Composition 3 credits
In this course writing is promoted as a process of developing and shaping a text for an audience and a purpose. Students develop and practice inventing, revising, and editing strategies through multiple drafting assignments. Students can expect a high level of instructor feedback through written responses and/or conferences. This course partially satisfies the general education requirement in the effective communication category. (SEM, SUM)

ENG H01
Honors English Composition 3 credits
Prerequisite: Students must meet honors program criteria. Requirements are identical to ENG 101, but content is enriched to challenge students with more experience in writing. Limited enrollment. This course partially satisfies the general education requirement in the effective communication category. (FAL)

ENG L01
English Composition Lab 1 credit
This course is designed to support the work of ENG 101 writers by providing individualized instruction tailored to the writer's specific needs. The tutorial instruction is not designed for students with weak mechanical skills. While the emphasis will differ from writer to writer, upon completing this course, students will know how to: 1) strengthen and demonstrate critical thinking and readi

E ' ï í ò

American Realism 3 credits

Prerequisite: 115. A critical study of the literature written in the United States between 1865 and the turn of the century, including the work of Mark Twain, Edith Wharton, Henry James, Willa Cather, Theodore Dreiser, Stephen Crane, and others. Explores the increasing complexities of American culture in the post-Civil War period as reflected in the literature. (Fall 2012)

ENG 317

American Modernism 3 credits

Prerequisite: 115. A critical study of the literature written in the United States during the first half of the twentieth

Cedits

i

ENG 370
Advanced Creative Writing 3 credits
Prerequisite: 204 or permission. This course offers extended instruction and practice in creative writing. With each offering, the focus of the course includes one of the primary literary genres—poetry, fiction, playwriting, or nonfiction. Students may enroll twice in ENG 370, so long as the genre focus is different. (ADD)

ENG 375
Global Cinema 3 credits
Prerequisite: 115 and GLS 101, or permission. This course with examine trends in international cinema from its inception through the twentieth century with a particular emphasis on the depiction of human dignity. The course will meet twice a week for two and a half hours, half of which will be used for screening the film, and the other half devoted to lecture and discussion. The class will begin with German silent cinema and include films from France, Italy, Spain, Denmark, Sweden, Poland, India, China, Japan and Iran. Cross-listed as GLS 375. (2FO)

ENG 470
Advanced Creative Writing Workshop 3 credits
Prerequisite: 370 or permission. This course offers advanced creative writing students extended instruction in creative writing and weekly peer and instructor critiques of works in progress. The course culminates in the submission of a complete creative writing portfolio for MFA writing programs or other professional pursuits. (ADD)

ENG 490
Senior Seminar
Prerequisite: Senior standing, 250. Departmental seminar for majors in English. Students will extend their understanding of issues critical to English studies by preparing critical and creative work for the senior portfolio. Incorporates the general education senior topic and text. (FAL)

ENG 499
Independent Study 2-3 credits
Prerequisites: Junior or senior English major and permission. Guided readings and research. (ADD)

ENV 170
Introduction to Environmental Science 3 credits
This course examines the biological principles underlying the use, conservation, and preservation of natural resources, covering such topics as management of harvested populations, pest management, biodiversity, conservation of endangered species, climate change, human demography, nutrient cycles, and pollution. Three hours of lecture. This course partially satisfies the general education requirement in the scientific and quantitative understanding category. (FAL)

ENV 171
Introduction to Environmental Science Lab 1 credit
Prerequisite or corequisite: 170. Application of environmental studies methods, through field and laboratory exercises. One three hour lab period. Lab fee required. In conjunction with 170, this course satisfies the lab portion of the general

techniques in tennis, golf, bowling, archery, tumbling and stunts, and other individual sports. Health and wellness is promoted in lifelong sports participation. (2SO)

ESS 1ô ì
Team Sports 3 credits
A study of rules, skills, strategy, and setting relating to team sports. The student receives instruction in teaching techniques in volleyball, softball, soccer, touch and flag

ESS 344
Coaching of Basketball 2 credits
Fundamentals of offensive and defensive techniques are studied. This course analyzes strategies, organization procedures, game preparation, coaching principles, and athlete health and safety. (2FE)

ESS 345
Coaching of Football 2 credits
Fundamentals of offensive and defensive techniques are studied. This course analyzes strategies, organization procedures, preparation, coaching principles, and athlete health and safety. (2FO)

^ ^ ï ð ò
Coaching of Baseball and Softball 2 credits
Techniques, theories, and principles of coaching baseball and softball; offensive and defensive fundamentals by position; rules, organizational and training methods, and athlete health and safety. (2SO)

ESS 347
Coaching of Track and Field 2 credits
Techniques, theories, and principles of coaching track and field events; fundamentals for each event, rules, organizational and training methods, and athlete health and safety. (2SE)

^ ^ ï ð ô

programs. Content of course includes statistical methods in measures of central tendency, measures of variability, z scores, correlation coefficient, t tests, and chi square. (2FO)

ESS 435
Fitness Testing and
Æ Œ] • W Œ • Œ] ‰ š] } v 3 credits
Principles and practices of prescribing exercise to healthy individuals, and individuals with lifestyle and congenital

vehicles, and strategies for implementing investment goals in light of risk-return tradeoffs. (2FO)

FIN 371
Nonprofit Financial Management 3 credits
See BUS 371. (2FO)

FIN 411
International Finance 3 credits
Prerequisite: 311 or BUS 309. This course helps students identify and solve problems that arise when cash flows are denominated in a foreign currency. The topics addressed in the course include foreign currency markets, exposure to foreign currency risk, hedging exposure foreign currency risk with futures, option and swap contracts, and valuation of cross-

or readings (presentational). Attention is given to pronunciation, intonation, and development of functional and varied expressions appropriate to the situation. Taught in French. (SPR)

& Z î ô ì U ï ô ì U ð ô ì

Special Topics 3 credits

Prerequisite: 201 or permission. Study of a selected topic in French current affairs, business, cultural expression or literary worksinvolving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in French and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. (ADD)

FRE 310

Written Communication in French 4 credits

Prerequisite: 201. Development of and practice in correct application of French language and structure through written expression. Writing exercises include social and business correspondence (interpersonal), as well as well-structured summaries, narratives, or critiques (presentational). Writing strategies lead students to write in French coherently and convincingly, to read and think critically, and to edit and revise their own work through peer review. Taught in French. (2FE)

FRE 315

France: The Story of a Nation 3 credits

Prerequisite: 201. The course examines the evolution of French civilization, its institutions and cultural expression from the Gauls to the Fifth Republic. The evolution from monarchy to Republic, in the movement of ideas, in social conventions, and in literary and artistic achievement identifies France as a political and cultural center in Europe. Class is conducted in French.(2FO)

& Z ï í ò

France and the French Today 3 credits

Prerequisite: 201. The course presents a multifaceted view of the continuing evolution of France and the French people since the inauguration of the Fifth Republic in 1958. Important influences include the role of France in Europe and in international organizations, the economy, the feminist movement, the changing demographics due to immigration, the expanded influences of Francophonie and modern technology. Class is conducted in French. (2SE)

FRE 320

Cinema: Experiment, Technique, and Art 3 credits

Prerequisite: 201 or equivale1(A)-())]TJ 0 Tc 0 Tw 19 0 Td pf 0 Tc 0 Tw 19 (l)-16(e1(A)-())]TTd [(C)5(i)11(n)1f7e wi1(a)-4(a)-4(a)-4(

& Z ð õ ô

Guided Research for Majors 2 credits

Prerequisite: Senior standing. This course serves as a comprehensive review and demonstration of skills acquired by the French major. Students prepare specific projects which incorporate communication skills, cultural understanding, and the ability to research, organize, and present a topic of particular interest. The course requires a term paper and an oral presentation of the research in French. It is a capstone course and satisfies the degree requirement for the senior comprehensive. (ADD)

FRE 499

Independent Study 2-3 credits

Prerequisite: Junior or senior French major and permission. Guided readings and research. (ADD)

GEO 101

Introduction to Geography 3 credits

This course is a study of regional and United States geography, including physical geography (land forms, water, o(s)-2(pr)5(e)9(pa)2(r)5(e)9(s)11(pe)9(c)6(i)-7(f)9(i)5(c)6(pr)5(o)2(j)3(e)-3(c)6(t)3(sJ(c)6r)5(a)2(l)517 T3(sJ(c)6r)5nstratil(g)6()5(a

GER 340
The German Novella 3 credits
Prerequisite: 201. A survey of the development of the German novella, a literary genre which represents Germany's unique contribution to the European literature of the nineteenth-century. (ADD)

GER 345
The German Drama 3 credits
Prerequisite: 201. Study of the development of German drama from its beginnings to twentieth-century dramas; selections from representative dramatists of each period. (ADD)

GER 370
Survey of German Literature:
K Œ] P] v • š } í ô ì ì 3 credits
Prerequisite: 220 or permission. Study of the important movements in German literature from its origins through the eighteenth-century. Reading and discussion of representative works, and the fundamentals of literary criticism. (ADD)

GER 371
Survey of German Literature:
í ô ì ì š } ‰ Œ • v š 3 credits
Prerequisite: 220 or permission. Basic literary survey from the early nineteenth-century to the present time. Special emphasis on representative selections and authors of note. Reading for understanding, including skills of summarization, explication, stylistics, and analysis. (ADD)

GER 499
Independent Study 3 credits
Prerequisites: Junior or senior standing and permission. Guided readings and research. (ADD)

GLS 101
Glo o W Œ • ‰ š] À • 3 credits
This course introduces students to the political, economic, cultural, and social processes that generate increasing interdependence and globalization. The course examines the global-local connections of contemporary issues and concerns, develops and encourages critical thinking about global issues, and introduces the

them in understanding and addressing the health needs of various communities around the world. Each week we will focus on a particular health-related issue and will include an initial lecture with key points, followed with a tutorial/workshop, and conclude with discussion and debate. Students are expected to engage in weekly readings, gain practical insight into current global medical issues, and apply appropriate frameworks in response tot-0.001 Tc 0.004 Tw 0 -1.G6b(u)-2-1.GauuGaalu 6rrfol

synthesize their work as the final project in the GST minor. Students will arrange for an internship or volunteer placement at a nonprofit organization, business, or institution that incorporates a gender focus. This will be set up before the semester begins. A structured reflection forum to analyze experience and methods will meet on a weekly basis. Students will meet to think through relationships among empirical research, theory, activism, and practice in gender studies. Majors with diverse interests, perspectives, and expertise will have the opportunity to reflect on the significance of their gender studies education in relation to their current work, their academic studies as a whole, and their plans for the future. (SPR)

HIS 102
History of the Modern World 3 credits
Study of the increasing contacts and interdependence of civilizations, 1500 to the present; the rise of the West,

HIS 440
Empire and Nation:
} o } v] o] • u-CW } • ã Colonialism 3 credits
Prerequisite: 300-level HIS course or permission. This course examines the history and cultural theories of imperialism and post-colonialism. European experiences of imperialism, “dominated” peoples experiences of imperialism and post-colonial cultural theory and history are explored. The course focuses on the experiences of Europeans, Africans, and Asians in this web of interaction through the nineteenth and twentieth century’s (2SO)

HIS 444
American Intellectual History 3 credits
Prerequisites: 271 and 299 (may be taken concurrently), or permission. An analysis of ideas in American history from the Puritans to the present; stress is placed on the relation between ideas and their historical context. (2FO)

HIS 470
Modern America 3 credits
Prerequisite: 300-level HIS course or permission. A study of the emergence of the United States to great power and influence in world affairs after 1945; social, political, and economic changes in American domestic life from World War II to the present. (2FE)

HIS 490
Senior History Seminar 3 credits
Prerequisites: Senior history major and permission. Senior history majors discuss and analyze required general education book and works of major western historians in this capstone course. Attendance at convocations required. (FAL.14(.]TJ 0 Tc 0 Tw 9.04.699Td ( )Tj EMC /P <</MCID 15 >6BDC /TT1 1

culture. The class consists of two hours of literature and one hour each of art and music, and deals with literature and the arts from the ancient world through the Renaissance period. This course satisfies the teacher certification requirements for world literature, comparative literature, and music and art appreciation. This course partially satisfies the general education requirement in the cultural awareness category. (FAL)

HUM 231
Literature, Music and Art
in Western Tradition II 4 credits
Prerequisite: ENG 115. A continuation of HUM 230, this class consists of two hours of literature and one hour each of art and music, and deals with literature and the arts from after the Renaissance period up to present time. This course satisfies the teacher certification requirements for world literature, comparative literature, and music and art appreciation. This course partially satisfies the general education requirement in the cultural awareness category. (SPR)

/ ^ W ï ô ì
Special Topics in International Studies 3 credits
Prerequisite: by permission. This three-week international studies course, conducted in the last three weeks of May, offers students from all disciplines the opportunity to study in an international setting and enhance cultural and global awareness. The setting, focus, and academic department(s) sponsoring the course change each year. Credit can be obtained through ISP 380, HON 380, or 380 of the sponsoring

LAW 215
Legal Research 3 credits
Prerequisites: 100, grade of C+ or better in ENG 101 and/or 239, and grade of C+ or better in MIS 101. This course is designed to introduce the student to various legal research techniques and databases and gain exposure to federal and state case law, statutes and regulations. The student will learn how to find information, analyze information, and analyze and validate case law. The student will be introduced to key technologies to aid in research and learn the importance of validating one's research. See the following components for the research course: statutes (state, federal, international and uniform), regulations (state, federal and ordinances, case law (state, federal and administrative), Internet research, copyright issues and secondary sources, Westlaw, Lexis, Bloomberg Law, Casemaker and Fastcase, dockets and briefs, business and people information, law office software (ediscovery, case management, legal timekeeping and billing, litigation support, spreadsheet and database management). This course is offered only in the MAP paralegal program. (Term 4, Spring 2012)

> t î í ò
LegalWriting and Communication 3 credits
Prerequisite: 215 with a grade of C+ or higher. The student will be exposed to a variety of legal writing tools and forms of writing, such as legal correspondence, thesis paragraphs, memorandums of law, statements, summary arguments, proposals and briefs. The student will be competent in predictive writing and persuasive writing and aware of the importance of editing and the revision process. This course will focus on reading for comprehens(57L(r)5(t)3(apu06(i)-1(n)-3(te)3(h)-6(e))-1(n)-6ge)-3(o)2(f)5(nu)-6n (e)o11(pr)5(e)9(a),tf.-6no

ng;Lgenvo9(s)f-32(e)3(gav)4(t 11)2e (i6(t7-6(s(57 r)-1 ge)-3nr)(ntn)-6m)-6oeL(t7-6(s(57 r)-1 d 0(ne)3(s)5i(e)3-6gnr)-1 6n)-6o Sa3(o)

positions and provides an understanding of the current job market. Career planning, industry research, preparation and evaluation of appropriate documentation, such as application letter and resume, and interviewing techniques are included. This course is offered only in the MAP paralegal program. (Term 4, Spring 2013)

LAW 300
> P o W Œ š] v D š Z } 3 credits
This course introduces students to the practice and method of law in the American legal system. The focus of the course is on learning the case law method through close reading and in-depth analysis of court opinions dealing with a number of different areas in the law. The forms of written and oral argumentation specific to the practice and method of American law are also covered. (2SO)

> t ï ò ì
/ v š Œ v • Z] ‰] v W Œ o Á ^ š µ ò] • Œ] š •
Traditional program: Prerequisites: Permission of Director of the Center for Prelaw Studies, pursuant of prelaw concentration, 3.00 overall GPA, junior or senior standing. Director approves work load, work site, objectives, and credit hours in consultation with onsite supervisor. 45 hours work for 1 credit per semester, repeated up to 6 credit hours. Graded S/U. (SEM)

> t ï ò ì
/ v š Œ v • Z] ‰] v W Œ o Á ^ š µ] • l
W Œ o P o ^ š µ] • 3 credits
Adult program: Prerequisite: Completion of all other courses and/or permission. All coursework, aside from 380, must be successfully completed. Director of Educational Services/Paralegal Studies approves work load, work site, objectives and credit hours in consultation with the Director of Prelaw Studies and the onsite internship supervisor of the law office. 60 hours of work are required for 1 credit hour. (Term 4, Spring 2013)

> t ï ô ì
Special Topics in Law 3 credits
Traditional program: Prerequisite: Instructor permission. Selected topics in the history, ethics, and practice of law in American and international judicial systems. (ADD)

numbers. Four hours of lecture and two hours of lab per week. (SPR)

MAT 130
Statistics in the Contemporary World 3 credits
Statistical ideas and reasoning are used to study current issues. Sampling distributions, measurement, and concepts of inference are included in the course. Concepts are applied to current opinion polls, political, and social issues. This course partially satisfies the general education requirement in the scientific and quantitative understanding category. (FAL)

MAT 140
College Algebra 3 credits
An integrated course emphasizing the concepts and skills needed to continue in mathematics. Topics included are polynomials, algebraic fractions, equations, inequalities, functions,matrices, permutations, and graphing of selected functions. This course partially satisfies the general education requirement in the scientific and quantitative understanding category. (FAL)

MAT 145
W Œ o µ o µ • 3 credits
Study of exponential, logarithmic and trigonometric functions, analytical geometry including the conic sections, matrices and determinants, and an introduction to limits. This course partially satisfies the general education requirement in the scientific and quantitative reasoning category. (SEM)

MAT 200
Topics in Geometry for Educators 4 credits
Prerequisite: 116. This course is designed to provide students with the opportunity to study and understand the concepts of the mathematical content needed for teaching mathematics at the middle-school level. The course will help them to "discover" the why behind certain formulas, various ways to present the material, and deepen their understanding of the process of solution. Students will study topics in geometry and algebra appropriate for this level of teaching. (SPR)

MAT 209
Discrete Mathematics 3 credits
This course begins the study of ideas of discrete mathematics including logic, techniques of proof, sets, relations, Boolean algebra, graph theory, recursion, counting techniques, and algorithms. This course partially satisfies the general education requirement in the scientific understanding category. (FAL)

MAT 215
Fundamentals and Special
Applications of Calculus 3 credits
Designed for non-mathematics majors. Study of functions and their graphs, the process and techniques of differentiation and integration, and applications in the students' respective fields of interest. This course partially satisfies the general education requirement in the scientific and quantitative understanding category. (SPR)

MAT 230
Calculus and Analytic Geometry I 4 credits
This course begins the formal study of limits, differentiability of algebraic and transcendental functions, applications of differentiation, and an introduction to integration. This course partially satisfies the general education requirement in the scientific and quantitative understanding category. (FAL)

MAT 231
Calculus and Analytic Geometry II 4 credits
Prerequisite: 230. Study of integration by standard forms and special methods, indeterminate forms and improper integrals, transcendental functions, analytic geometry, and polar coordinates. (SPR)

MAT 305
Calculus and Analytic Geometry III 4 credits
Prerequisite: 231. Study of lines, curves, planes, and surfaces by means of coordinate systems and vectors; differentiation and integration of functions of several variables; infinite series; functions represented by power series; applications. (FAL)

MAT 310
Linear Algebra 4 credits
Prerequisite: 231. Study of systems of linear equations, vector spaces, matrices, determinants, linear dependence, bases, dimension, linear transformations, eigenvectors, and applications. Some time in class will be reserved for problem sessions and computer lab time. (2SE) Pt;9(s)1
applsii[(a

MAT 330
Advanced Geometry 3 credits
Study of Euclidean geometry, both classical and modern, finite geometries, geometric transformations, and convexity.

MIS 310
Business Database Management 3 credits
Prerequisite: 201 or permission. An introduction to database management. Topics include data modeling, data structures, normalization, database design methodology, data security, data integrity, and database administration. Both theory and applications are stressed. (2SE)

MIS 317
Business Internet Applications Design 3 credits
See BUS 317. (SP)

MIS 320
Advanced Business Decision Tools 3 credits
Prerequisites: 201 and BUS 205, or permission. An introduction to the design and use of decision support systems. Emphasis is placed on forecasting, operational analysis, and database management. Both theory and applications are stressed. (2FE)

MIS 330
W Œ } i š D v P u v š 3 credits
Prerequisite: 201 or permission. The field of systems analysis is explored through lectures and applications in analysis and design activities. Students are required to analyze an existing business and design improved procedures, forms, and managerial policies to enhance the firm's operational efficiency. (2SO)

MIS 499
Independent Study 1-3 credits
Prerequisite: Permission. Guided readings, research, and/or development of managerial computer applications. (ADD)

MUL 100/200/300/400
W Œ] À š > • • } v • U d Œ µ u ‰ 2-3 credits

MUL 101/201/301/401
W Œ] À š > • • } v • U Œ] š } v 2 credits 1

MUL 102/202/302/402
W Œ] À š > • • } v • U & Œ v Z 2 credits 1

MUL 103/203/303/403
W Œ] À š > • • } v • U d Œ } u } 2 credits 1

MUL 104/204/304/404
W Œ] À š , Bass } v /

ED8<F2036C355>11F08<ED1760>-<F2>TT1 1 Tf 0 Tc 0.003 / W Œ] À š > • • } v • /

MUL125
o •• W] v } /

credits earned toward a bachelor degree or six credits toward an associate degree. (SEM)

MUS í ì ò

University Wind Ensemble 1 credit

Prerequisite: open to all students by audition. The course is designed to create the highest quality of performance and professionalism from all students by performing standard collegiate wind ensemble repertoire. (SEM)

1 wrkd 0 Tf 1 0 Tc 3.1557 0 Tw ( ) Tj BT /F29 11.5 Tf 1 0 0 1 72.000 [illegible] Tm [illegible] Tf 0

their entirety. This applied class has different content each semester and can be taken more than once. (ADD)

MUS î î ò
s } o W P } P Ç 2 credits
Study of vocal production, introduction to diction, and a brief survey of vocal literature. (2FE)

MUS227
Diction I 2 credits
English, Italian, and Latin for singers, choral directors, music educators, and fine arts students. Students are introduced to the International Phonetic Alphabet (IPA) symbols as well as appropriate literature. (2FO)

MUS î î ô
Diction II 2 credits
German and French for singers, choral directors, music educators, and fine arts students. Students study advanced applications of the International Phonetic Alphabet symbols as well as appropriate literature. (2SE)

MUS250
Introduction to Music Tec32snart Tc 0 Tw 1.53 0 4.27 ( )Tj -0.0012.663( )Tj 13.205 Td [(2)4(0EMC u)T0 Td 1Te-0.001v231(c Tw -

t t Sdussts pr j9(r)5(nc)4(io)3(s)11St2SE7 cu()8TJ 0 Tc 0 Tw 15.5662.0842(r)1(e)r)1(e)ree MU

MUS334
Woodwind Class I 1 credit
Prerequisite: Music education major or permission. Tone production, performance, and teaching techniques of the basic woodwind instruments are stressed. Students are given opportunities to demonstrate their knowledge of the instruments and of respective literature by teaching some aspect of the instrument to the other members of the class. (ADD)

NUR 325
Loss, Grief, and End of Life 2 credits
Open to majors in all fields. This course provides the student with knowledge to assist the client, family, and other healthcare professionals addressing issues related to end of life care. End of life decisions and care are explored in relation to internal and external factors. Holistic, multidisciplinary approaches to end of life are discussed and evaluated. Concepts of grief and loss are also examined. (ADD)

NUR 335
Spirituality in Healthcare
Across the Lifespan 3 credits
This course focuses on the spiritual aspects related to healthcare across the lifespan. Professional, ethical, and legal aspects are explored. The stages of spiritual development and implication of appropriate spiritual care provide a basis for understanding the spiritual dimension of healthcare. (ADD)

NUR 340
Transcultural Issues in Healthcare 2 credits
Open to majors in all fields. The focus of this course is to promote culturally sensitive and congruent healthcare to clients across the life span. Emphasis is placed on examining cultural differences and similarities in health beliefs, values, and practices of western and nonwestern cultures. Current theories, research, and practices related to the field of transcultural healthcare are examined. (ADD)

NUR 345
Women's Health Issues 1-2 credits
This course examines the health issues of women in the United States in the twenty-first century. Physical, emotional, and social influences are identified. Major health issues of women such as heart disease, HIV/AIDS, depression, abuse, midlife changes, and aging are included. Health policy, including major legislation affecting women's health services and future directions for women's health, is discussed. (ADD)

NUR 350
Nursing Informatics 2 credits
This course provides an introduction to the field of nursing informatics, the current state of the science and major issues for research, development, and practice. Students are introduced to computer hardware, software, databases, and communication applications. The focus of the course emphasizes human information management processes

E h Z ð õ ô
Directed Research 1 credit
Prerequisites: NUB 440, BUS 205 or PSY 205, senior nursing major and instructor permission. This course provides an opportunity for senior nursing students with special interest in research to be under the guidance of faculty while conducting nursing research. The students will apply research methodology, gather and analyze data, and report their findings with an APA-style manuscript. (ADD)

W , > í í ñ
š Z] o v o Ç •] •] v W Œ š] 1 credit
Prerequisite: 130 or permission of instructor. This enhancement course offers students the opportunity to apply ethical theories and principles to case studies from business, law, medicine, and politics. The course focuses on building a coherent ethical argument and articulating and defending a position in a friendly, competitive, and dialogic setting. Students who wish to take part in the annual Central States Regional Ethics Bowl are strongly urged to take this course. Students are encouraged to enroll in the course more than once and may repeat the course for credit up to six times. Graded S/U. (SEM)

W , > í ï ì
, µ u v E š µ Œ v W Œ • } v 3 credits
This course addresses what it is to be human and what it means to be a human person. Particular emphasis is given to exploring these themes within the Western and specifically Catholic philosophical tradition in dialogue with other, and sometimes competing, positions. This course partially satisfies the general education requirement in the philosophical and theological reasoning category. (SEM)

W , H 30
, } v } Œ • , µ u v E š µ Œ v W 3 credits v
Prerequisite: Student must meet Honors Program criteria. Content of PHL 130 is enriched with more reading and writing. Limited enrollment. This course partially satisfies the general education requirement in the philosophical and theological reasoning category. (FAL)

W , > í ñ ì
Logic 3 credits
This reasoning skills development course examines basic logical concepts and shows their applicability to all areas of reasoning. Required of philosophy majors, but strongly recommended to everyone, especially those contemplating

provide th
graduate l

W , 3 15
Ethical Conduct in Research 3 credits
Prerequisite: 215 or permission of instructor. This course is designed to provide an overview of ethical issues related to research and the best practices associated with the ethical conduct of research whether scientific, behavioral, or sociological. Areas of ethical concern to be addressed include the social responsibility of researchers and scientists; doing research with integrity; and appropriate research relationships. Topics include the use of human and non-human animals as research subjects; the definition of research misconduct; conflicts of interest in research; publication practices; intellectual property and plagiarism; and acquisition, management, sharing, and ownership of research data. Case study will be used to illustrate ethical topics. (FAL)

W , > ï î ì
W Z] o } • } ‰ Z Ç } (< v } Á o P 3 credits
A critical study of various positions on the nature and limits of human knowledge, including their metaphysical and anthropological implications. Readings are drawn from classical and contemporary sources, with special emphasis being placed on the critical realism of Bernard Lonergan. (2FE)

W , > ï ï ì
W Z] o } • } ‰ Z Ç } ( ] v P ~ D š 3 ‰ e Z i t Ç •] • •
Prerequisite: 130. Inquiry into the ultimate explanations and structure of real things; an account of our search for such knowledge and the solutions of thinkers characteristic of the ancient, medieval, and modern periods. (2SE)

W , > ï ð õ
D } Œ v v } v š u ‰ } Œ Œ Ç 3 W e Z i t o } • } ‰ Z Ç
Prerequisite: 130 or permission. The major defining philosophical positions in the period from Descartes to the present. Includes a special emphasis on political thinkers suphas0.s00.006 Tc 0.009 Tw 0 -1.229 TD [(a)-9(s)-1(H)]TJ 0.005 Tc -0
students. (2SE)

W , > ï ñ ì
' } v W Z] o } • } ‰ Z Ç 3 credits
Prerequisite: 130. Cours introduces a philosophical discussion of God, God language, philoss00.001 Tc 0.004 Tw 16.157 0 Td [(o)-4(p)-6(h)-6(y)-6(o)-4(f)3(r)-1(e)3(l)-1(i)-1(gi)-1(o)-4
determind by the faculty members, tudents, and s00.004 Tc 0.007 Tw -7.831 -1.217 Td [(d)-9(ep)-9(a)-72rtment. The courssephas
and non-maorswith staff aprov) who hae fulfilled a s03.663 -1.229 Td [(l)-4(ea)-72st the disribution requirephat o
philosophy. (ADD)

interactions, and fields. Three lecture hours and three lab hours per week. (SPR)

W , z î î ì
Astrophysics and Cosmology 2 credits
Prerequisites: 111 and MAT 231 or permission. Stellar atmospheres, stellar interiors, galaxy formation, and the large-scale structure of the universe. Two lecture hours per week. (SPR)

W , z î ï ì
Electronics 2 credits
Prerequisite: 111 and MAT 231 or permission. Structure and properties of metals, polymers, ceramics, semiconductors, photonic materials, and superconductors. Properties of nanostructured materials. One lecture hour and three lab hours per week. (SPR)

W , z î ð ì
Materials 2 credits
Prerequisite: 111 and MAT 231 or permission. Structure and properties of metals, polymers, ceramics, semiconductors, photonic materials, and superconductors. Properties of nanostructured materials. One lecture hour and three lab hours per week. (SPR)

W , z î ñ ì
Biophysics 2 credits
Prerequisite: 111 and MAT 231. Introduction to the physical principles of biological systems. Molecular structures in biological contexts, bioenergetics, environmental interactions, thermodynamic and kinetic regulation of biological systems. Two lecture hours per week. (FAL)

W , z ï í ì
d Z Œ u o W Z Ç •] • 3 credits
Prerequisite: 212 and MAT 315. Classical thermodynamics, equations of state, theories of heat, kinetic theory of gases, Bose and Fermi statics, and irreversibility. Three lecture hours per week. (ADD)

W , z ï ï ì
Electricity and Magnetism 3 credits
Prerequisite: 212 and MAT 315 or permission. A more rigorous approach to the foundations of electromagnetic theory. Classical electrodynamics and the theory of radiation, Maxwell's equations, magnetism, theory of synchrotrons and cyclotrons. Three lecture hours per week. (ADD)

W , z ï ó ì
Analytical Mechanics 3 credits
Prerequisite: 212 and MAT 315 or permission. Foundations of classical mechanics: the Lagrangian formalism, Hamilton-Jacobi theory, canonical transformations, and variational methods. Three lecture hours per week. (ADD)
Maxwell's equatic T[4m4xTwe5ì4Q(,)2m4Ar5]Tt1)-4(M)ha506fiAT-31ud ics n,,d-0.00(ag)4-16(5c)-6ue houatic T[4maxr4-6(e)1aA

legitimized through the organization of politics and how political life varies from country to country. (2FO)

W K > î î ì

Introduction to International Relations 3 credits

Examines the international system of sovereign states, including conflictive and cooperative relations between states and the relationship between states and international organizations such as the United Nations. International law

the development process. This course partially satisfies the general education requirement in the cultural awareness category. Cross-listed as HIS 353. (2SE)

W K > ï ñ ñ
W } o] š] • } (š Z D] o • š3 credits

hypothesis testing, t-tests, ANOVAs, and chi-square are presented. This is a computational and interpretational statistics course designed to prepare students for upper division/graduate courses in research, data evaluation, and analytical reasoning. Use of computer software facilitates learning. This course partially satisfies the general education requirement in the scientific and quantitative understanding category. (SEM)

W ^ z î î ì

Human Growth and Development 3 credits

Major theories, developmental stages, and current research in the area of human development are studied. Emphasis is

behavioral, and humanistic models. The student acquires an understanding of the major theories of personality along a continuum of scientific rigor, a thorough understanding of human commonalities and differences, mind/body connections, hereditary and experiential influences, psychopathology and treatment of personality disorders,-self knowledge, and applications to relationships with others. Writing assignments supplement assigned readings. (FAL)

W ^ z ï ð ì
^ ‰ } Œ š W • Ç Z } o } P Ç 3 credits
Prerequisite: 101 or 220. This course is designed to introduce the concepts and applications of psychology to the field of sport. History and foundations, leadership, motivation, athletic performance factors, neurophysiology of arousal and attention, stress and coping, psychological skills training, aggression and violence in sports, and health issues are presented. Sports as individual and team activity within a broader framework of recreation and vocation will be addressed. A research/topical paper will supplement text, reading assignments, and activities. Cross-listed as ESS 340. (FAL)

W ^ z ï ð ñ
Cognitive Science 3 credits
Prerequisites: 101, or 220 and 250. This course is designed to provide the student with an introduction to factors that influence human thought. Research methodology and theory are emphasized and topics include attention, pattern recognition, memory, language, reasoning, and problem solving. Experiment implementation, research paper, and writing assignments reflecting critical thinking are required. (SPR)

W ^ z ï ñ ì
Behavioral Neuroscience 3 credits
Prerequisite: 101 or 220. This is an overview of the latest findings from the neurosciences pertinent to relationships between behavior and the nervous system, including the neural and chemical processes underlying sensation, motivation, learning, cognition, and disorders. Dissections and supplemental readings are required. (FAL)

W ^ z ï ñ ñ
W • Ç Z } o } P Ç } (Z o] P] } v 3 credits
Prerequisites: 101 or 220 and THL 105. An investigation of the i

Text/journal articles, case analyses and a research paper are required. (2FE)

W^400
W Œ } P Œ u • • • • u v š v À 3 credits š] } v
Prerequisite: 205 or BUS 205. A study of advanced applied assessment methods for use in mental health, medical, business, and educational settings. Basic assessment models, evaluation models, and techniques for the planning, implementation, data management, and analysis of program outcomes are presented. Students apply acquired content and techniques to (a) evaluate selected case studies in their disciplines, (b) perform a program assessment and evaluation of simulated or actual program outcomes data; and (c) construct and present a professional evaluation report of their assessments. (ADD)

W ^ z ð õ ì
^ v] } Œ ^ u] v Œ] v W • Ç Z } 3 credits
Prerequisite: Senior psychology major. In this capstone course, students demonstrate the ability to use psychological concepts and skills in the examination of a college-wide general education theme. Integrative papers, oral presentations, research projects, and convocation attendance are required. Students also begin formal preparation for graduate school or careers and perform program skills self assessments. (FAL)

W ^ z ð õ ó
Directed Researc 18.7BDC /C2_0 1 Tf -0.001/ent
a3xa ments16.735d [(a)2(s <</Mya)-)l c-nd c c-14.663 0e1(l)-1(95.446 c)358.d T1d ski-16.735donsan40s a Tc 0 Tw 2 s

education requirement in the cultural awareness category. (FAL)

SOC 301
Social Science Research 3 credits
Prerequisite: 101, 205, or permission. An introduction to the basic tools and methods of social research. Both quantitative and qualitative procedures are considered. Students are required to design and carry out a complete research project as a part of this course. Cross-listed as POL 301. (SPR)

SOC 305
Sex, Gender, and Sexuality 3 credits
Prerequisite: 101 or permission. This course examines the gendered construction of various social institutions, including family, religion, and government, in an historical and cross-national context. (2SE)

SOC 315
Native North American Culture History 3 credits
This course provides a general view of the variations in the life ways of Native Americans. This study places native populations in a broad comparative context, investigating the

interaction and the relationship between the individual and the norms and patterns that constitute society. (SPR)

^ K ð ò ì
Internship in Sociology 2-4 credits
Prerequisites: Junior status, sociology major, 2.5 cumulative GPA, and instructor permission. Supervised professional experience and the application of sociological skills to provide students with the opportunity to develop their career interest in sociology. Course can be repeated; however, only 3 credits from internships can count as an elective toward the sociology major. (SEM)

SOC 490
Senior Sociology Seminar 3 credits
Prerequisites: senior sociology major, SOC 301, or permission. Seminar students engage in intensive reading and discussion of capstone issues in the social sciences linked to the college-wide general education theme of the year. Papers, class presentations, and discussion and attendance at college-wide events in support of the general education theme are required. Student research papers from SOC 301 are developed for public presentation or publication. Students also begin preparation for graduate school or career. (FAL)

SOC 499
Independent Study 3 credits
Prerequisites: Junior or senior standing and permission. Guided readings and research. May enroll for one to three credits. (ADD)

^ W í ì í
Introduction to Spanish I 4 credits
Introductory study of the Spanish language with emphasis on building adequate vocabulary and sense of structure to carry out routine tasks and engage in simple conversation. The course is designed to help the student ask and answer questions about familiar topics and [illegible]

^ W î

^ W ð ì ì
Contemporary Spanish and Spanish-American Literature 3 credits
A study of the principal Spanish and Spanish-American authors and works of the present century; emphasis on the novel and short story. (2SO)

^ W ð õ ì
Senior Seminar 1 credit
Prerequisite: Senior major in Spanish. The seminar addresses the college-wide general education senior theme and text for that year. The common senior experience includes discussion sessions, a convocation presentation, a timed written essay, and an objective test assessment based upon general education goals. Cross-listed with FRE 490. Spanish majors register concurrently in SPA 498. (FAL)

^ W ð õ ô
Guided Research for Majors 2 credits
This course serves as a comprehensive review and demonstration of skills acquired by the Spanish major. Students prepare specific projects which incorporate communication skills, cultural understanding, and the ability to research, refine, organize, and present a topic of particular interest. The course requires a term paper and an oral presentation of the research in Spanish. It is a capstone course and satisfies the degree requirement for the senior comprehensive. (ADD)

^ W ð õ õ
Independent Study 2-3 credits
Prerequisites: Junior or senior Spanish major and permission. Guided readings and research. (ADD)

THE 100
Backstage Laboratory in Technical Theatre I 2 credits
A laboratory experience in all phases of theatre production. Students assist the instructor in building and painting sets, lighting, costuming, prop management, and house management on several theatrical productions during the semester. All learning is hands-on involvement during class hours. Students may enroll each semester up to a maximum of six semesters. (SEM)

d , í ì ô
Theatre Activities 1-2 credits
Prerequisite: Instructor approval. Students who were involved either backstage as a technician or designer or onstage as a performer for any Marian University Department of Performing and Visual Arts production may register for one credit per production the following semester. Students will be responsible for producing a thesis paper that provides an in-depth analysis of their theatre experience. Students may enroll each semester up to a maximum of six semesters. (SEM)

THE 120
Beginning Acting 3 credits
Fundamental techniques in acting with practice in pantomime, improvisation, movement and vocal production. Students learn through performing in class exercises, improvisations and scenes while also learning to observe and evaluate their classmates' work and the work of professional actors. (FAL)

THE 200
Backstage Laboratory in Technical Theatre II 2 credits
Prerequisites: 100 and instructor approval. An advanced laboratory experience in all phases of theatre production. Students are assigned specific projects and given upper-level responsibilities regarding the successful completion of tasks in the following areas of theatre production; building and painting sets, lighting, costuming, prop management, or house management. Students will be expected to participate and complete projects outside of regular class hours. (SEM)

THE 231
Design for Theatre I 3 credits
Prerequisite: ART 106. This course is an introduction to the history, styles, and techniques of stage scenery, lighting, and costumes. Students will learn the development of conceptual ideas, which are inspired by a dramatic text, to the finished product on the stage. A strong understanding of the theatrical vernacular is emphasized as students are encouraged to communicate their ideas through several mediums including written presentations, sketches, drafting, rendering, and three-dimensional models. (SPR)

THE 235
Oral Interpretation of Literature 3 credits
See COM 235. (ADD)

d , î ò ì
d Z š Œ Œ š • W Œ š] µ u 1-3 credits
Prerequisites: Departmental permission and sophomore or

d , ï ò ì
Internship in Theatre 1-3 credits
Prerequisites: Departmental permission and junior or senior class standing. Students work in supervised industry positions related to theatre arts. Internships are expected to be higher than entry level placements, and may or may not be paid positions. Students are evaluated by both their onsite supervisor and by means of a paper submitted as an end-of-course project to the monitoring faculty. A minimum of 60 hours of actual work experience is required to earn one credit. Graded S/U. (SEM).

d , ï ô ì
Special Topics in Theatre 3 credits
Explores specialized areas of study in theatre. Topics may include, but are not limited to, advanced studies in design or performance in theatre, dramatic literature, technical theatre, and etc. The course may be repeated for credit since subject matter varies each semester. (ADD)

THE 499
Independent Study in Theatre 3 credits
Prerequisites: Departmental permission and junior or senior class standing. Course may include guided readings, research or production projects. (SEM)

THL 100
d Z W Œ š] } (W Œ Ç Œ 1 credit
An enrichment course with the primary emphasis on the act of praying. The focus is on personal spiritual development. Specific prayer experiences determined by individual facilitator(s) each semester. Enhancement courses, such as THL 100, may be repeated for credit, with a maximum of 12

administration of religious school programs. The student is placed and supervised in one or more of the cooperating schools of the Indianapolis area. This course does not apply toward the general education requirement in the theological and philosophical reasoning category. (SEM)

d , > ð ò ï
u] v] • š Œ š] } v] v W Œ] • Z
Religious Education 3 credits
This course is designed to enable the parish administrator of religious education to become aware of the roles that he/she plays in the parish and the resources that are available through the Archdiocese of Indianapolis and the national Roman Catholic Church. The course is offered externally through the Archdiocese of Indianapolis and requires acceptance into the program by the appropriate archdiocesan office. This course does not apply toward the general education requirement in the theological and philosophical reasoning category. (FAL)

THL 474
Church Administration,
W } o]] • U v W Œ } µ Œ • 3 credits
Church polity, policies, procedures with special attention to canon law, and diocesan regulations. Possibly other denominational policies, dependent on student background. This course does not apply toward the general education requirement in the theological and philosophical reasoning category.(FAL)

d , > ð ó ò
Internship 1 credit
Continued preparation for ministry through practical experience and training. This course does not apply toward the general education requirement in the theological and philosophical reasoning category. (SEM)

THL 490
Senior Seminar 3 credits
A comprehensive review of theological issues open to junior or senior theology, pastoral leadership, or religious education majors with department permission. This course fulfills the requirement for comprehensive exams in theology, pastoral leadership, or religious education. Includes the common readings in the general education program for that year. Attendance at convocations required. Theology and religious education majors prepare and present a major seminar paper. In place of that paper, the student in pastoral leadership chooses a pastoral problem, issue, or area of concern; does appropriate academic and field research; and proposes a plan to address the situation/need in cooperation with sponsoring faculty member and parish representative. (FAL)

THL 499
Independent Study 2-3 credits
Prerequisites: junior or senior theology, pastoral leadership, or religious education major and permission. Guided readings and research. (SEM)

W K W >

BOARD OF TRUSTEES
2011-2012

Michael Becher
Managing Partner
Deloitte and Touche LLP

^] • š Œ D Œ P Œ š š o l U K ^ & [ò í2011
^Ûq“á> Á5 3p`rà ! P ¢ À 6 . LfèÃz/p µ¬= 3'^ÌÑMah(L9(aa2(a36(c2Tn W)-6(c2Tc 5(l 5(d W)-6h)5Tde)9(M 5(oc2Tv)116h)5Tng)

Deborah Lawrence (2002-)
Vice President for Administration and General Counsel
B.A., DePauw University, 1984
J.D., The Columbus School of Law of
The Catholic University of America, 1987

Ruth Rodgers (2005-)
Assistant Vice President of Student Affairs
Dean of Students
B.A., Virginia Polytechnic Institute and
State University, 1980
M.Ed., Auburn University, 1982

W šWilliams (2009-)
Assistant Vice President
Chief Information Officer

8-3(i)-13(t)-3(u)6(t)3(u)-9(nt)3(c)]T25 Tc>NTM15.783(0)-13(t)5d EMC9(nt26(t)3)003F4>0.2Tc

Zach Brown (2010-)
Assistant Coach: Men's Soccer
B.S., Marian College, 2008

Kim Buell (2010-)
Assistant Coach: Bowling
B.S., Butler University, 1977

Martin Cole (2010-)
Assistant Coach: Men's Soccer
B.S., Indiana University-Purdue University, 2008

Brett C. Cope, A.T.C.
Head Coach: Women's Golf
(See School of Education)

Marshall Davis (2010-)
Assistant Coach: Track and Field

Rodney Deckard (2007-)
Assistant Coach: Football Running Backs
B.S., Indiana University at Indianapolis, 1991
M.A., Indiana University-Purdue University, 2008

Steve Downing (2011-)
Director of Athletics

Craig Ecker (2010-)
Assistant Coach: Track and Field
B.S., Huntington University, 2000
M.A., Manchester College

Richard Ellio (2010-)
Graduate Assistant Coach: Football
B.S., Marian University, 2010

Dan Findley (1996-)
Head Coach: Women's Volleyball
B.A., Indiana State University, 1988

^ } š š & o u (2003-)
Head Coach: Softball
Assistant Coach: Men's Basketball
Intramural Director
B.S., Marian College, 1989

Chad Gabbard (2009-)
Head Athletic Trainer
B.S., Butler University, 1995
M.S., Northern Illinois University, 1999

Ben Gorman (2008-)
Assistant Coach: Women's Basketball (Volunteer)

X < µ Œ E š ' µ (1987-) E [ô î
Head Coach: Baseball
Head Coach: Women's Soccer
B.A., Marian College, 1982

Bryan Hamrock (2007-)
Assistant Coach: Football Quarterbacks and
Offensive Coordinator
B.A., College of Mount Saint Joseph, 2006

Chad Hardin (2006-)
Head Coach: Men & Women's Bowling
Head Coach: Men's Soccer
B.S., Indiana University, 2000

Mike Henderson (1979-)
Assistant Coach: Softball
B.S. Ed., Ball State University, 1959

Jeff Hopkins (2008-)
Assistant Coach: Cycling

Ted Karras (2006-)
Head Coach: Football
B.S., Northwestern University, 1987
M.A., Saint Xavier University, 2001

Neil Kazmierczak (2010-)
Assistant Coach: Football
B.A., Michigan State University, 1988
M.A., Azusa Pacific University, 1995
M.A., Stanford University, 1998

Justin Kean (2011-)
Assistant Coach: Volleyball
B.S., Indiana University-Purdue University, 2011

John Locke
Assistant Athletic Trainer
B.S., DePauw University, 1985
M.S., University of Arizona, 1986
Ed.D., Ball State University, 2010

Cassie Mackell (2008-)
Administrative Assistant
Head Coach: Women's Tennis
Assistant Coach: Men's Tennis
B.S., Milligan College, 2006

Steve Mackell (2008-)
Head Coach: Men's Tennis
Assistant Coach: Women's Tennis
B.A., Georgetown College, 2005

Lindsay Martin (2010-)
Assistant Coach: Women's Soccer

Martin Mathis (2006-)
Assistant Head Coach: Football
Defensive Coordinator, Linebackers
B.A., University of Minnesota, 1994

Megan McCormick (2011-)
Assistant Coach: Women's Soccer
B.A., Ball State University, 2008

D P Z v D t Z] C E (2006-) [ì ò
Assistant Coach: Women's Basketball
B.S., Marian College, 2006

Adrian Myers (2011-)
Assistant Coach: Track and Field
Assistant Coach: Cross Country
B.A., Lewis University, 2008
M.A., Adams State College, 2011

Greg Mingus (1998-)
Assistant Coach: Men's Basketball (Volunteer)

Shane Moat (2007-)
Contract Personal Trainer
Strength and Conditioning
B.S., Indiana University, Bloomington, 2003
M.A., Indiana University, Bloomington, 2005

v W š (2006-)
Head Coach: Cycling
(See School of Education)
Ö•Þ Ì8&10Ò À &9 |Í"3 <Assis Per .20.00yclitry
L6(')-4C 25r 0 Tc 0 T(gt)-sisi (7(on)-MC /P <</MCID 2)]T217.626 -1.229 Td [(M)-1(.)-23 /C2_0 1 Tf 02893 Tc -0.003 Tw 0 -1.217 Tl

M. < Ç t o š Œ (1997-)W
Controller
B.S., Butler University, 1981
M.B.A., University of Indianapolis, 1985

D W h ^ D / E / ^ d Z z

Fr. Dennis Bosse, OFM (2009-)
Campus Chaplain
B.A., University of Detroit Mercy, 1983
M. Div., Catholic Theological Union, 1989

Clare Bain, SFO (2004-)
Campus Minister, Music and Liturgy
B.M., Ohio University, 1979
M.M. Butler University, 2009

Jeanne Grammens Hidalgo (2007-)
Campus Minister, Service and Social Justice
B.A., St. Mary's College, Notre Dame, 1986
M.P.S., Loyola University, 1991
M.Div., Kendrick Seminary, 2004

D W h ^ K W Z d / K E ^

Ron Koberstein (1991-)
Director of Campus Operations

Neil Langferman (2005-)
Director of Facilities
B.A., Purdue University, 1978

Crystal Workman104 (2006-)
Administrative Assistant
B.A., Marian College, 2004

Jeff Castner '93 (1986-)
Housekeeping and Custodial Supervisor
B.A., Marian College, 1993

John R. Smith (2004-)
Maintenance Supervisor

Mike Miller (1993-
Grounds Supervisor

D W h ^ ^ & d z

Scott Ralph
Chief of Campus Police
Police Officer

COLLEJ699 t2 LF-5(L)]TJ -11(o)2(r)]TJ 0 T74o-0.0BDC /TT1 1 Tf -11.Chn R. Sf 0 Tc 4.729 Td [(M)5(a)2(i)5(nt)33>(n)-6nw T* lr03>

Mary Alexander (1990-)
Administrative Assistant

, K E K Z ^ W Z K ' Z D

Carolyn Johnston
Director
(See School of Liberal Arts)

HUMAN RESOURCES

Cynthia Beasley (2010-)
Payroll Administrator

Anita Herbertz (2006-)
Director of Human Resources
B.S., University of Indianapolis, 2004

Carissa Smith (2012-)
Human Resources Assistant

INTERNATIONAL STUDENT ADVISOR

Mia N. Morrison
(See Admission)

/ E d Z E ^ , / W ^ I ER SERVICES

Leanne Malloy (2006-)
Assistant Dean of Student Services
Director of Counseling and Career Services
B.S., Indiana State University, 1974
M.S., Purdue University, 1976
Ph.D., Indiana State University, 1991

Jenny Morris ‘05 (2009-)
Director of Internships
B.S., Marian College, 2005

INSTITUTIONAL ADVANCEMENT AND ALUMNI

Dana DeBruhl (2011-)
Administrative Assistant to the Vice President in Institutional Advancement

John Finke
Vice President for Institutional Advancement
(see Executive Officers)

Margaret Kluesener ’77 (2008-)
Development Officer
B.A., Marian College, 1977
M.A., Butle., B CTd [(B)1([(J)12C-1(t(o)-.d [(-r ’.154(n)-6(97)-3Sc8g4e(c)6(e)-3(B)(m)9(e)9(n o)-.d [(-r 859 0 Td ( )Tj EMC /P <</MCII
irecto(o)-7f(A)31(d)216(v)2aoc
.S.,]-4(r).(h)-6(9()]TJ(B.Â-4â À

^] • š Œ : } o & Œ v l (1 9 8 1 -) ^ & [ò í U [õ ì
Library Tech
B.S., Marian College, 1961
B.A., Marian College, 1990
M.A., Clarke College, 1970
Ed.S., Ball State University, 1975

LIFE SCIENCE EDUCATION CENTER
AT MARIAN UNIVERSITY

Janice Hicks Slaughter (2006-)
Director of Community Outreach
B.S., Tennessee State University, 1969
M.P.A., Indiana State University, 1990

MAIL ROOM

^] • š Œ : v] ^ Z] (1 9 8 5 -) U K ^ & [ò ì
Mail Room Manager
B.S., Marian College, 1960

MARIAN UNIVERSITY CENTER FOR
CATHOLIC d t Z ^ , / W

Father Daniel J. Maha (2006-)
Executive Director
S.L.T., Pontificium Athenaeum S. Anselmi De Urbe, 1989

D Z / E [^ h > d A M S K ' Z

Mary Arthur (2012-)
Administrative Assistant, Keystone Site
B.S., Butler University, 1984

Amy Bennett (2001-)
Executive Director
B.A., Bradley University, 1981

Helen Buckley (2005-)
Office Coordinator
B.S., Iowa State University, 2000

Nancy Crosby (2003-)
Academic Advisor
Project Specialist
B.S., Indiana Institute of Technology, 2002

Tennille Culp (2011-)
Admission Counselor
B.L.S., Purdue University, 2006

Trista Hart (2011-)
Academic Advisor, Keystone Site
B.S., Indiana State University, 2006

Laura Kafka (2011-)
Administrative Assistant, Keystone Site

Sally McCartney (2003-)
Director of Enrollment, Keystone Site
B.A., Michigan State University, 1983

Lesley Neff (2008-)
Director of Educational Services
B.A., Purdue University, 1999
M.A., Butler University, 2005

Sandra Richard (2010-)
Administrative Assistant

Kathy Webb (2008-)
Outreach y, O 0 7 (-) T j 2 . 6 2 7 0 T d T d ( ) - 2 (c) 2 (h) c 0 (h) c 0 (h) c 0 (h) c

W Z ^/ E d

Russell Kershaw (2010-)
Dean of Clark H. Byrum School of Business
B.S., Bentley College, 1978
M.B.A., Babson College, 1989
Ph.D., University of South Carolina, 1996

Kathy S. Marra (2007-)
Assistant Professor of Human Resources
B.S., Indiana University, 1976
M.A., Ball State University, 1997

: u • X W (2008-)
Assistant Professor of Economics
B.A., Rutgers University, 1984
M.A., Rutgers University, 1986
Ph.D., Rutgers University, 1990

Marie Truesdell Reymore (2000-)
Associate Professor of Economics
B.A., B.S., Trinity University, 1992
M.E., North Carolina State University, 1994
Ph.D., University of Georgia, 1999

Lori Rumreich (2004-)
Assistant Professor of Marketing
B.S., Ball State University, 1983
M.B.A., Indiana University, 1989

Robert D. Schuttler (1985-)
Assistant Professor of Business and Economics
Director, Business Creation and Development (2005-)
B.S., Indiana State University, 1976
M.B.A., University of Evansville, 1980

Andrew M. Smith (1989-)
Assistant Professor of Business and
Management Information Systems
B.S., Purdue University, 1984
M.B.A., Butler University, 1989

W - Data

Sherry Nord (2003-)
Instructor of Business and Management Information Systems
B.S., University of Illinois, 1968
M.B.A., Indiana Wesleyan University, 1989

W - Tense

Katrina Davis, M.S.
Lecturer of Business and Economics

Richard Hoogerwerf, M.S., M.B.A.
Associate Professor of Business and Economics

' Œ Ç d] u ‰ U : X X U W
Lecturer of Accounting

Gary Vestermark, M.A., J.D.
Lecturer of Business

SCHOOL OF EDUCATION

Judy A. Bardonner (2007-)
Director of Project IGNITE
Assistant Professor of Education
B.S., Education, Indiana University, 1970
M.A., Education, Butler University, 1988
Ph.D., Indiana University, 2007

Susan Beesley (1987-)
Professor of Education, Elementary
B.A., University of Evansville, 1978
M.S., Butler University, 1981
Ph.D., Indiana University, 1986

Karen L. Bevis (2003-)
Assistant Professor of Education, Secondary
Catholic School Educator Preparation Program
ACTION/T2T
B.S., Ball State University, 1982
M.A., University of Indianapolis, 1990
M.S., Butler University, 1999
Ed.D., Oakland City University, 2008

Brett Cope (1991-)
Assistant Professor of Exercise Sport Science
Head Coach: Women's Golf
B.S., Indiana University, 1982
M.S., Indiana University, 1984 [(B)-2(r)-3(et)1(avon)-u 26(s)-11(90

Lloyd Louks, B.S.
Lecturer of Exercise and Sport Studies

Suzanne Lyons, M.A.
Lecturer of Education

Shane Moat, M.S.
Lecturer of Exercise and Sport Studies

Lynn Morrell, Ed.D.
Professor of Physical Education, Emeritus

Kristine Myers, M.S.
Lecturer of Education

Mary T. O'Brien
College Supervisor
CSEPP Coordinator

Z Œ o] ^ Z o P o U W Z X X
Lecturer of Education

Stacy Schurtz, M.Ed.
Lecturer of Education

Barbara Shuey, M.S.
Lecturer of Education

Terry Wetherald, M.S.
Lecturer of Exercise and Sport Studies

SCHOOL OF LIBERAL ARTS

W] Œ Œ (2008-) •
Director, The Richard G. Lugar Franciscan Center for Global Studies
Associate Professor of Political Science
B.A., University of Toronto, 1984
M.A., University of Arizona, 1993
Ph.D., Rutgers University, 2000

Martine Camblor (2001-)
Director of Language Center
Foreign Language Testing and Placement
Instructor of French
B.A., University Charles V. Paris 7th, 1982
M.A., University of Besancon, 1992

Laurel L. Campi (1991-)
Professor of Psychology
B.S., North Dakota State University, 1981
M.A., University of Colorado Boulder, 1984
Ph.D., University of Colorado Boulder, 1986

Vickie Carson (2002-)
Administrative Assistant

Carla Castaño (2009-)
Assistant Professor of Spanish
B.A., Universidade Moji das Cruzes Brazil, 1988
M.A., Purdue University, 2001
Ph.D. Purdue University, 2009

Lennie Coleman '03 (2011-)
Assistant Professor of Spanish
B.A., Marian College, 2003
Ph.D., University of Miami, 2011

Gay Lynn Crossley (1996-)
Associate Professor of English
B.A., University of South Alabama, 1987
M.A., Florida State University, 1989
Ph.D., Florida State University, 1993

Beverly S. Day '04 (2004-)
Administrative Assistant, Department of Music
B.B.A., Marian College, 2004

David Denz (2002-)
Associate Professor of Philosophy
B.A., Ohio Dominican College, 1971
Ph.D., University of Notre Dame, 1981

Marcia Eppich-Harris (2011-)
Assistant Professor of English
B.A., St. Mary-of-the-Woods College, 1998
M.A., Indiana State University, 2002
Ph.D., Marquette University, 2008

William Foley (2007-)
Assistant Professor of Photography
Pulitzer Prize, Spot News Photography, 1983
B.A., Indiana University, 2007

Johnny Goldfinger (2010-)
Assistant Professor of Political Science
Director of Prelaw Studies
B.Ch.E., University of South Alabama, 1985
B.A., University of South Alabama, 1992
M.A., University of New Orleans, 1994
M.A., Duke University, 1998
Ph.D., Duke University, 2003

Raymond J. Haberski (2000-)
Chairperson of the Department of History and Social Science
Associate Professor of History
B.A., State University of New York, 1990
M.A., State University of New York, 1992
Ph.D., Ohio University, 1999

Margaret Moran, M.M.
Private Music Instructor

W µ o W } Œ š Œ U D X X
Lecturer of Communication

& Œ X Z } Œ š Z } • } v U W Z X X
Lecturer of Theology

Andrew Scott, M.F.A.
Lecturer of English

Œ] ^ } À] Z U W Z X X U , ^ W W
Lecturer in Psychology

W ‹Ea}ta

^] • š Œ Œ } o ^ o] v P)Œ U K ^ & [ò ì (1977-
Associate Professor of Mathematics
B.S., Marian College, 1960
M.S., St. Louis University, 1969

EcoLab

Jody Nicholson [ì (2008-)
Restoration Ecologist
B.S., Marian College, 2008

Shannon Unger (2009-)
Environmental Education Coordinator
B.S., Southwest Missouri State, 2000
M.S., Southwest Missouri State, 2002

SCHOOL OF NURSING

Jean Bandos, RN, GCNS, BC (1120)
Director of Online Programs
A.S.N., Western Kentucky University, 1971
B.S., College of St. Francis, 1991
M.S.N., Indiana University, 1998

Barbara Blackford, RN (2008-)
Assistant Professor of Nursing
Academic Advisor (2000-07)
B.S.N., University of Indianapolis, 1998
M.S.N., University of Indianapolis, 2007

Shandra Burton '02, RN (2010-)
Assistant Professor of Nursing
B.S.N., Marian College, 2002
M.S.N., University of Indianapolis, 2008

Rebecca Goss (2008-)
Administrative Assistant
A.S., University of Indianapolis, 1988 (2007) JJ T-0 T 2.6 T-0.5 0 0 c-0 T 7 >2 2 D (e) [7 0 4 T 2 0 3 1 2 7 9 T 2 0 4 8 T E M 3 0 1 P 8 9 M C T D 3
>) 2007

Lucia Schliessmann, RN (2011-)
Assistant Professor of Nursing
B.S.N., Johns Hopkins University, 1994
M.S.N., Johns Hopkins University, 1997

Susan Schroeder, RN (2007-)
Assistant Professor of Nursing
B.S.N., Indiana University, 1986
M.S.N., University of Indianapolis, 2006

Marsha Schuler '71 (2007-)
Academic Advisor
B.A, Marian College, 1971
M.S., Butler University, 2003

v] š ^] Œ] U (2009-)
Dean of Nursing
Professor of Nursing
B.S.N., Texas Woman's University, 1962
M.A.Ed., University of Pittsburgh, 1975
M.S.N., Indiana University, 1989
PH.D., Indiana University, 1998

Diana Smith, RN (1995-)
Assistant Professor of Nursing
B.S.N., Indiana University, 1989
M.S., Ball State University, 1983

Ann Uhar, RN (2002-)
Assistant Professor of Nursing
B.S.N., Marquette University, 1977
M.S.N., Georgetown University, 1983

Dianne Wagner, RN (2011-)
Assistant Professor of Nursing
A.N., Indiana University-Purdue University, 1972
B.S.N., Indiana University-Purdue University, 1976
M.S.N., Indiana University-Purdue University, 1986
M.B.A., Indiana University, 1989

W Œ š š] u

Jill Cardwell, RN, MSN
Assistant Professor of Nursing

Karen Molitoris, RN, BSN. M.A.Ed.
Community Outreach Coordinator

Ann Unversaw, RN, MSN
Assistant Professor of Nursing

STUDY ABROAD

t v Ç t • š ‰ Z o U W Z X X
Director
(See School of Liberal Arts)

STUDENT AFFAIRS

Nick Aylward (2011-)
Resident Director, University Hall
B.A., Marietta College, 2008

Mary Botos (2002-)
Campus Information Specialist

Heather Condon (2010-)
Administrative Assistant
B.A., Arizona State University, 2004

James Cox (2011-)
Assistant Director of Student Activities and Orientation
B.A., Purdue University, 2009

Katherine England (2011-)
Resident Director, Doyle Hall
B.A., Rutgers University, 2011

Melanie Marshall (2011-)
Resident Director, Clark-Hall
B.S., Florida State University, 2010

Jill Mattingly (2012-)
Director of Student Activities and Orientation
B.A., Bellarmine University, 2004
M.A., University of Louisville, 2006

Matthew Nelson (2011-)
Assistant Director of Student Activities and Orientation
B.S., University of Nebraska at Omaha, 2011

Ruth Rodgers (2005-)
Assistant Vice President of Student Affairs
Dean of Students
(See Executive Officers)

Andrea Robinson (2005-)
Assistant Dean of Housing and Residence Life
B.A., University of Wisconsin, 1998
M.A., Ball State University, 2000

Angelia Zielke (2007-)
Director of Student Success and Retention
B.S., University of Evansville, 2002
M.A., Ball State University, 2004

TECHNOLOGY

Dhiraj Raj Baidya (2011-)
Network Administrator
B.S., University of Baguio, Philippines, 2006
M.S., Ball State University, 2011

Doug Curran (2005-)
System Support Specialist

Martin Flaherty (2011-)
Helpdesk Manager

Mary Reiman (2010-)
Senior Database Administrator

Scott Shea (2011-)
Senior Server Administrator

W Z] o] ‰ (2012-)
Network Administrator

Don Wenger (2001-)
Telecommunications Administrator
B.S., Purdue University, 1994

W š Williams (2009-)
Assistant Vice President,
Chief Information Officer
(See Executive Officers)

FACULTY EMERITI

^] • š Œ D Œ P Œ š š o l U K ^ & U Z ò í

INDEX

A

Academic Dismissal 31
Academic Forgiveness 32
Academic Integrity 29
Academic Progress 31
Academic Services 36
Academic Support Services 16
Accelerated Degree (MAP) 41
ACCOUNTING 51
Accreditation 4
Admission Procedures and Policies 9
Advanced Placement 33
Advanced Study, High School Seniors 10
Advising, Academic 36
Appeal Process, Academic Status and Grades 31
ART 44
ART HISTORY 45
ARTS ADMINISTRATION 44
Assessment 27
Associate Degree Requirements 24
Athletics 18
Attendance Policy 33
Auditing Courses 10

B

Bachelor Degree Requirements 22
BIOLOGY 57
Board of Trustees 138
Buildings and Grounds 6
Business Administration 51
Business Creation and Development 39
Business, School of 51

C

Campus 6
C