

BALL STATE UNIVERSITY

ACADEMIC POSTING

2018-2019

VOLUME XLVIII – 6.1 FINAL POSTING PART 1

April 19, 2019

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins April 19, 2019. If no demurrer is received within ten school days, the changes will be certified for implementation.

The effective date for implementing the undergraduate and graduate materials posted after April 19, 2019 is Fall Semester 2020.

Correction (Demurrer Resolution):

234 (321) Intermedia: Experimental Video (3)

Comprehensive introduction to experimental video and its impact on contemporary new media art practices, surveying new media video art and artists in a range of formats including installation and performance. Technical demonstrations and workshops will cover camera, sound, lighting, pre-production, and digital editing techniques.

Prerequisite: ADS 101 or 103 or by permission of the instructor.

Open only to School of Art majors and minors.

INTERDEPARTMENTAL PROGRAMS

INTENSIVE ENGLISH INSTITUTE (IEI)

New:

190 Integrated Skills English (7.5) Focuses on the development of basic English skills in preparation for academic English studies in the IEI. Offered credit/no credit only.

Open only to full-time IEI students.

COLLEGE OF ARCHITECTURE AND PLANNING

COLLEGE OF ARCHITECTURE AND PLANNING (CAP)

Revised:

498 Special Projects in College of Architecture and Planning (3) Special projects in the College of Architecture

and Planning undertaken by groups of students directed by faculty.

A total of 9 credits may be earned.

598 Special Projects in College of Architecture and Planning (3) Special projects in the College of Architecture and Planning undertaken by groups of students directed by faculty.

A total of 9 credits may be earned.

Department of Architecture

ARCHITECTURE (ARCH)

New:

606 Documentation Studio (3) In a studio course format, this course examines methods of recording and documenting historic buildings and sites with particular emphasis on standards and guidelines established by the U.S. Department of the Interior. Students examine and apply traditional manual as well as digital methods of documentation.

Open only to MSHP and HP certificate students or by permission of the HP director.

607 Preservation Studio I (3) Preservation studio involving community oriented projects with opportunity to address real-world preservation opportunities, scenarios, and challenges.

Open only to MSHP and HP certificate students or by permission of the HP director.

Revised:

229 History of Architecture 1 (3) A survey of the major movements in Western architecture and urbanism from antiquity through the nineteenth century, and an introduction to developments in vernacular and high-style architecture outside the West in precolonial and/or post-colonial periods.

Prerequisite: ARCH 100.

Open only to B. ARCH; BA/BS architecture; BA/BS environmental design; HP minors or permission of the department chairperson.

329 History of Architecture 2 (3) Survey of the movements and major figures in architecture and design from the late nineteenth century to the present, with consideration given to the social and cultural context of design ideas.

Prerequisite: ARCH 229.

Open only to B. ARCH; BA/BS architecture; BA/BS environmental design; HP minors or permission of the department chairperson.

340 Introduction to Historic Preservation for Architects (3) The introduction of historic preservation in the context of architectural practice. Students will become familiar with the significant public and private Preservation agencies and organizations, along with the roles they play in the Preservation movement. The legal basis of preservation will be surveyed, as well as the process for documenting, designating, and protecting historic properties. Preservation treatment and re-use options will be discussed in light of conservation, sustainability and cultural continuity.

Open only to B. ARCH; BA/BS architecture; BA/BS environmental design.

440 Introduction to Preservation (3) This course presents the history, philosophy and current practice of heritage preservation. Students examine the roles of significant public, private and non-profit preservation agencies and organizations. The legal basis of preservation is studied, as well as the process for documenting, designating and protecting heritage places. Preservation treatment and re-use options are examined in light of conservation, sustainability and cultural continuity concerns.

Prerequisite: permission of the program director.

Open only to HP minors or by permission of the HP director.

441 Preservation Policy (3) This course examines the structure and function of international, federal, state and local laws and programs governing heritage preservation activities. Planning and economic development aspects of preservation practice are studied in the context of conservation and protection of heritage places.

Prerequisite: permission of the program director.

Open only to B. ARCH; BA/BS architecture; BA/BS environmental design; HP minors or permission of the HP director.

447 Preservation Technology (3) An investigation of the materials and systems of construction used in historic buildings. Students examine contemporary technology used to document, analyze and diagnose building conditions as a basis to formulate interventions for the stewardship of historic structures.

Open only to B. ARCH; BA/BS architecture; BA/BS environmental design; HP minors or permission of the HP director.

473 Current Issues in Preservation (3) This course provides an in-depth investigation of complex social, cultural and political case studies in contemporary heritage preservation. A foundation is laid for development of individual philosophies and ethics regarding preservation practice.

Prerequisite: permission of the program director.

Open only to B. ARCH; BA/BS architecture; BA/BS environmental design; HP minors or permission of the HP director.

540 Introduction to Preservation (3) This course presents the history, philosophy and current practice of heritage preservation. Students examine the roles of significant public, private and non-profit preservation agencies and organizations. The legal basis of preservation is studied, as well as the process for documenting, designating and protecting heritage places. Preservation treatment and re-use options are examined in light of conservation, sustainability and cultural continuity concerns.

Prerequisite: permission of the program director.

Not open to students who have credit in ARCH 440.

Open only to MSHP and HP certificate students or by permission of the HP director.

541 Preservation Policy (3) This course examines the structure and function of international, federal, state and local laws and programs governing heritage preservation activities. Planning and economic development aspects of preservation practice are studied in the context of conservation and protection of heritage places.

Prerequisite: permission of the program director.

Not open to students who have credit in ARCH 441.

Open only to MSHP and HP certificate students or by permission of the HP director.

547 Preservation Technology (3) An investigation of the materials and systems of construction used in historic buildings. Students examine contemporary technology used to document, analyze and diagnose building conditions as a basis to formulate interventions for the stewardship of historic structures.

Not open to students who have credit in ARCH 447.

Open only to MSHP and HP certificate students or by permission of the HP director.

573 Current Issues in Preservation (3) This course provides an in-depth investigation of complex social, cultural and political case studies in contemporary heritage preservation. A foundation is laid for development of individual philosophies and ethics regarding preservation practice.

Prerequisite: permission of the program director.

Not open to students who have credit in ARCH 473.

Open only to MSHP and HP certificate students or by permission of the HP director.

608 (506) Preservation Studio II (3) Preservation studio exercise involving project-based learning with opportunity to apply technical skills and academic concepts to professional preservation problems.

Open only to MSHP and HP certificate students or by permission of the HP director.

626 (542) Preservation Research Methods (3) A comprehensive examination of the methods of research and registering historic properties. Legal concepts of significance and context are applied to evaluating the historic built environment. Emphasizes applying research methods to existing heritage and topics and places.

Open only to MSHP and HP certificate students or by permission of the HP director.

Dropped:

442 Preservation Research Methods (3)

506 Preservation Professional Project (3)

542 Preservation Research Methods (3)

Department of Construction Management and Interior Design

CONSTRUCTION MANAGEMENT (CM)

New:

230 Renovation of Residential Structures (3) An immersive learning class focusing on the processes, strategies, and documents involved in the renovation of residential structures. Interdisciplinary teams of students will work with local community organizations and agencies to develop renovation plans for existing houses, including the development of preliminary preconstruction documentation needed for this type of work.

A total of 6 credits may be earned.

INTERIOR DESIGN (IDES)

New:

602 Designers Quantitative Research Methods (3) Discusses the Research in interior design, measurement, selected statistical research tools and introduction to computer processing. Extensive treatment of survey research. Comprehensive quantitative research methods and their method-specific hypothesis formulation, data acquisition, verification, and analysis. Writing intensive.

Department of Landscape Architecture

LANDSCAPE ARCHITECTURE (LA)

Department of Urban Planning

MILLER COLLEGE OF BUSINESS

Department of Economics

ECONOMICS (ECON)

New:

625 Econometric Methods and Applications (3) Focuses on econometric methods and applications for masters students in business and other disciplines. Topics include detailed examinations of econometric methods such as linear regression, simultaneous equations models, regressions with panel data, limited dependent variable models, and time series analysis. These materials enable students to conduct advanced statistical analysis with real-world data. Uses statistical software such as Stata and R.

Prerequisite: ECON 524 or MBA 611 or equivalent or permission of the department chairperson.

Revised:

424 Introduction to Econometrics (3) Applied statistical methods to economics. Emphasizes constructing estimating, and testing economic models. Topics include multiple regression analysis, advanced regression techniques, time series analysis, and forecasting. Considers specific problems that arise in applying these topics and business data.

Prerequisite: grade higher than C- in ECON 201; passing grade in ECON 321 or MATH 321, or grade higher than a C- in ECON 221 or MATH 221; and passing grade in ECON 202; or permission of the department chairperson.

Department of Information Systems and Operations Management

BUSINESS ANALYTICS (BA)

Revised:

345 Data Mining for Business Analytics (3) Designed to facilitate the understanding of how to leverage business intelligence and analytics in their organization. Examines critical areas of analytics such as text analytics, descriptive analytics, predictive analytics, and prescriptive analytics. Students learn how to apply logistic regression, association rules, tree structured classification and regression, cluster analysis, discriminant analysis, and neural networks to address critical business issues and enable/drive businesses to transform their organizations.

Prerequisite or parallel: BA 305.

436 Data Warehouse and Business Intelligence (3) Introduces the topics of how to collect, manage, mine, analyze, and interpret large amounts of structured data, while

creating visual representations of this information using industry tools and technologies. Includes dimension modeling, database requirements, data management processes within a data warehouse. Students will create data-driven proposals based on case studies and build dashboards to help with executive decision support.

Prerequisite or parallel: BA 305.

482 Business Analytics Research (3) Students will apply the skills or techniques learned in previous courses (e.g., data mining, visualization, data analysis, etc.) to conduct a research study driven by real-world enterprise data or data they collect on their own. The research project aims at evaluating the students on one or more of the following skills: ability to conduct research and learn as team members and independently; teamwork and communication; business analytics projects life cycle; collecting; processing, and analyzing structured and unstructured data; developing and testing predictive analytics models; developing and testing hypothesis-driven research questions; writing scientific/professional reports.

Prerequisite or parallel: BA 345.

COMPUTER INFORMATION SYSTEMS (CIS)

Revised:

413 Database Management Systems (3) Concepts of database management systems, data models, the entity-relationship (ER) diagrams, design and implementation of database application, database administration, structured query language (SQL), distributed databases and data warehousing. Course provides a significant hands-on experience using a DBMS, such as MS SQL server, and data modeling tools to plan, design, and develop a database application that supports business operations.

Prerequisite: ISOM 210.

COMPUTER TECHNOLOGY (CT)

Revised:

465 Enterprise Security Administration (3) Focuses on the enterprise level administration of an organization's information security. Topics may include the following: asset security; security engineering; identity and access management; security assessment and testing; and security options.

Prerequisite: CT 210 and CT 221.

Department of Management

ENTREPRENEURSHIP (ENT)

369 Entrepreneurship Internship (3) Job experience in an organization with an approved entrepreneurial company. Requires periodic reports that will be evaluated by the assigned faculty member and the intern's supervisor.

Prerequisite: ENT 241; permission of the department chairperson or internship supervisor.

Open only to entrepreneurial management majors.

Department of Marketing

FASHION (FASH)

New:

495 Seminar in Fashion (3) Advanced examination of current topics in the fields of Fashion Merchandising and Apparel Design. Specific seminar content is announced when offered.

Prerequisite: FASH 270 and junior standing or permission of the department chairperson.

MARKETING (MKG)

Revised:

450 Advanced Market Research Analytics (3) In-depth look into the details of conducting market research including marketing decision making, database marketing, marketing analytics and related issues.

Prerequisite: MKG 350 or BA 305 or BA 345 or permission of the department chairperson.

COLLEGE OF COMMUNICATION, INFORMATION, AND MEDIA

Department of Journalism

EMERGING MEDIA AND DEVELOPMENT (EMDD)

New:

215 Usability (3) Covers range of usability and user experience concepts and focuses on usability testing of interactive apps and web pages. Explores relationships between interface, information, and user experience by way of testing navigability, architectures of interaction, and user-centered design. Focus is placed on the attitudes and behaviors of users.

Prerequisite or parallel: EMDD 101 or JOUR 206.

216 Design Thinking (3) Emphasizes the wisdom of crowds while proposing and solving real-world problems with applied design thinking techniques. Explores design by seeking

stakeholders for insight and feedback regarding the approach to a particular design problem before presenting solutions.

Prerequisite or parallel: EMDD 101 or JOUR 206.

Revised:

101 (ICOM 101) The Digital World (3) Introduction to types of human interaction made possible by digital media.

Exploration of individualization, innovation, imagination, interactivity, minimization, and internationalization of digital communication. Positive and negative impacts and ramifications of a digital world.

201 (ICOM 201) Web Design and Usability (3) Conceptual introduction to design and critique of digital messages in terms of source objectives, audiences, and society effects. Specific emphasis on theories and evaluations of usability testing of Web site.

Prerequisite or parallel: EMDD 101.

210 (ICOM 210) Introduction to Social Media (3) An examination of social media technologies and applications of emerging technologies on various careers aimed at students of all skill levels. Students will build their own Web sites using existing tools, engage in social and mobile networks, and deploy a variety of social media applications using pre-existing software tools.

Prerequisite or parallel: EMDD 101.

211 (ICOM 211) Interactivity Design (3) Digital media design as the design of artifacts to support interactive experience. Explores relationships among interactivity, interface design, and communication. Individual and collaborative projects geared to heighten understanding of designing for interactivity.

Prerequisite or parallel: EMDD 101.

212 (ICOM 212) Digital Image Design (3) Emphasizes aesthetic understanding and practical facility with digital content as effective visual communication. Emphasis on development of digital competencies, techniques, and aesthetics.

Prerequisite or parallel: EMDD 101.

213 (ICOM 213) Digital Video Design (3) Basic knowledge and laboratory work in development of digital video and audio. Introduction to creating digital video productions with digital cameras and computer hardware and software. Aesthetics and techniques of digital video and audio recording and non-linear editing.

Prerequisite or parallel: EMDD 101.

214 (ICOM 214) Digital Sound Design (3) Explores creative use and manipulation of digital audio to produce compositions and sound designs suitable for different types of digital media projects. Focuses on technical skills, creativity, and an understanding of digital audio in context.

Prerequisite or parallel: EMDD 101.

299X (ICOM 299X) Experimental/Development Topics (3) Topics relevant to the discipline. Course titles to be announced before each semester.

Prerequisite or parallel: EMDD 101.

375 (ICOM 375) Digital Storytelling (3) Covers fundamental of writing, formatting, digitizing, adapting, repurposing, and distributing digital media stories for application in information, communication, and entertainment industries.

Prerequisite: EMDD 101.

390 (ICOM 390) Independent Studies in Digital Media (3) Academic or creative digital media project directed by a Ball State faculty member. Project may be performed in conjunction with graduate EMDD project design teams. Written proposal must be approved by the digital media minor program director prior to term of study.

495 (ICOM 495) Senior Capstone (3) Synthesis and culmination of undergraduate digital media design and production experiences in conjunction with graduate EMDD project design teams.

Prerequisite: EMDD 101

499 (ICOM 499) Colloquium (1 or 2) Attendance at colloquia, workshops, and Center for Media Design events as specified in the digital media student handbook is the basis for earning colloquium credit. Offered credit/no credit only.

A total of 2 credits may be earned.

Open only to digital media minor students.

ICOMMUNICATION (ICOM)

Dropped:

101 The Digital World (3)

201 Web Design and Usability (3)

210 Introduction to Social Media (3)

211 Digital Interactivity Design (3)

212 Digital Image Design (3)

213 Digital Video Design (3)

214 Digital Sound Design (3)

299X Experimental/Development Topics (3)

375 Digital Storytelling (3)

390 Independent Studies in Digital Media (3)

495 Senior Capstone (3)

499 Colloquium (1 or 2)

JOURNALISM (JOUR)

Revised:

265 Public Relations Writing and Publicity Techniques (3)

Revise prerequisite to:

JOUR 261, NEWS 105, and successful completion of a departmental language usage proficiency exam.

354 Advertising Copy & Layout 1 (3)

Revise prerequisite to:

JOUR 103 and JOUR 250 and NEWS 105 for advertising majors

368 Strategic Communications Design (3)

Revise prerequisite to:

JOUR 103 and 250 and NEWS 105 for advertising majors or JOUR 103 and JOUR 261 and NEWS 105 for public relations majors

103 Introduction to Media Design (3) Introduces students to the history, theories and concepts behind visual communication and how media practitioners use design and visuals to communicate information and tell stories across platforms.

Parallel: JOUR 101.

Open only to students pursuing a program in the journalism department.

234 Information Design 1 (3) Survey of page design, type, and color theories, graphics reporting, Web design, and multimedia storytelling. Introduces the concepts of journalistic visual editing, journalistic graphics technology, and the history of visual journalism.

Prerequisite: JOUR 103.

241 Information Design II (3) Explores more advanced areas of journalistic design and puts them into the context of working editorial and strategic communication environments. In addition to developing students' design abilities, this course will also explore visual ethics, copyright, history and diversity in the form of editorial and strategic communication worlds.

Prerequisite: JOUR 234.

242 Programming for Interactive Media (3) Introduces students to the role of programming and coding as it relates to multimedia storytelling and digital journalism. Students will explore how to mine and work with data sets, as well as explore programming languages most relevant to journalism, strategic marketing communications, and multimedia storytelling. Course projects will focus on the application of these programming languages through the lens of digital storytelling. Thus, students will learn to apply coding in the context of communications media.

Prerequisite: JOUR 206.

311 News Feature Writing (3) An advanced writing course that requires in-depth reporting and information-gathering skills. Students will concentration on learning to write

informative, accurate news feature stories that provide detail and context for readers.

Prerequisite: NEWS 221.

312 Opinion Writing (3) Researching and writing of columns, editorials, and reviews with emphasis on varied writing structures and styles.

Prerequisite: NEWS 221.

320 Information Design III (3) Creative approaches to media design and presentation. Explores strategies for developing creativity and design problem solving, as well as visual literacy and visual/verbal interpretation. Emphasizes visual storytelling and conceptual approaches to design.

Prerequisite: JOUR 241.

322 Sportswriting and Reporting (3) Introduction to sportswriting and reporting across media platforms with emphasis on skills needed to produce game and feature stories that provide detail and context.

Prerequisite: NEWS 105 or SPTA 345.

323 Media Design and Branding (3) Designing for print, online and mobile media products. Incorporates project management skills, branding strategies and content development for creating and designing multiplatform products.

Prerequisite: JOUR 241.

345 Data Analysis and Visualization (3) Examination of how stories and information are improved by placing data in a visual context. Focuses on researching and using data visualization tools to enhance storytelling and information delivery.

Prerequisite: JOUR 234.

382 Media Theory and Research (3) Discussion of media theory and its role in strategic communications research. Emphasizes survey research, questionnaire construction, interviewing techniques, attitude measurement, copy testing, audience analysis, computer database searches, evaluation of externally supplied research, and data interpretation.

Prerequisite: BA 305 or JOUR 250 or JOUR 261 or TCOM 345.

Parallel: JOUR 101.

Open only to students pursuing a program in the journalism department.

385 Advanced Writing and Design for Strategic Communications (3) Emphasizes the theory and practice of producing persuasive communications that promote and interpret client and organizational objectives. Focuses on developing strategies aligned with organizational objectives; researching, writing, editing, and designing communication tools in support of organizational objectives; and developing strategic implementation plans to maximize effectiveness of communication tools.

Prerequisite: JOUR 265 and JOUR 368 or JOUR 234 and JOUR 265.

405 Strategic Communications Case Studies (3) Strategic planning principles for campaigns and program implementations, including use of communication, public opinion, change, and management theory; crisis planning and communication; issue management; integrated marketing communication; and case study reviews.

Prerequisite: JOUR 352 and 354 for advertising majors or JOUR 265 and 368 or JOUR 234 and JOUR 265 for public relations majors.

413 Advanced Newswriting and Reporting (3) Advanced writing, reporting, and editing skills, including multiple-source interviewing, field observation, and use of databases. Emphasis on in-depth analysis and interpretation of a substantive area of coverage, including the use of community and public journalism theories and techniques.

Prerequisite: JOUR 311 or JOUR 312.

465 Public Relations Campaigns (3) In this immersive team experience, public relations majors apply research and problem-solving techniques to actual public relations clients using all the methodologies learned previously. Emphasizes developing positive teamwork skills and portfolio and professional development including personal presentation skills.

Prerequisite: JOUR 265 and JOUR 385 and JOUR 368 or JOUR 234 and JOUR 265 and JOUR 285.

485 Strategic Communications Campaigns (3) In this immersive course, students apply problem-solving techniques to actual strategic communications campaigns and work for internal and external clients using methodologies learned previously in immediate-level courses. Emphasizes developing positive teamwork and leadership skills and includes opportunities to strengthen personal presentation proficiency.

Prerequisite: JOUR 265 and JOUR 285 and JOUR 352 and JOUR 354 and JOUR 368 and JOUR 382 or JOUR 234 and JOUR 265 and JOUR 285 and JOUR 352 and JOUR 354 and JOUR 382.

NEWS (NEWS)

Revised:

215 News Editing (2) Theory and practice in editing across media platforms with emphasis on the role of editors, content planning and direction; story development and organization; presentation techniques to maximize audience impact; and proper language usage.

Prerequisite: successful completion of a departmental language usage proficiency exam; JOUR 101 and NEWS 105.

449 Legal and Ethical Issues (3) Examination of ethical and legal issues facing journalists, including libel, intellectual property, privacy, and freedom of expression with an emphasis on emerging media journalism.

Prerequisite: NEWS 109 or JOUR 234 or JOUR 235 or JOUR 250 or JOUR 261 or JOUR 280.

Department of Telecommunications

TELECOMMUNICATIONS (TCOM)

New:

335 Beginning Multimedia Production (3) An introduction to emerging media technologies, emphasizing graphic design, 2D animation, HTML/CSS coding, data compression, and post-production. Students will create specialized content for multiple media outlets including web, television, cinema, and mobile.

Prerequisite: pre-telecommunications core courses with C (2.0) or better grades in each, and a 2.5 grade-point average for these courses; TCOM 231.

Open only to approved telecommunications majors and minors.

Revised:

231 (331) Media Aesthetics (1) A study of visual aesthetics used in cinema, interactive, audio and video design. Students will learn image, motion, and non-linear design concepts through thoughtful analysis of classic and contemporary media.

Open only to approved telecommunications majors and minors, and pre-telecommunications students.

330 Beginning Digital Audio Production (3) Covers the basic skills and techniques required for audio production in radio, television, film, and Web applications. Requires completion of a prescribed array of projects. Various studio and field recording experiences involving digital equipment are offered.

Prerequisite: pre-telecommunications core courses with C (2.0) or better grades in each, and a 2.5 grade-point average for these courses; TCOM 231.

Open only to approved telecommunications majors and minors, and pre-telecommunications students.

332 Beginning Digital Video Production (3) Covers the basic skills of equipment operation in a studio and field environment. Requires completion of a prescribed array of projects. Various studio and field experiences involving digital equipment are offered.

Prerequisite: pre-telecommunications core courses with C (2.0) or better grades in each, and a 2.5 grade-point average for these courses; TCOM 231.

Open only to approved telecommunications majors and minors.

324 News Videography (3)

**Credit change only*

326 Presentation Techniques (3)

**Credit change only*

422 Advanced Video and Audio Reporting (3)

**Credit change only*

426 Electronic News Producing (3)

*Credit change only

Dropped:**331 Media Aesthetics (1)**

COLLEGE OF FINE ARTS
COLLEGE OF FINE ARTS (CFA)

School of Art**ART: CRAFTS (ACR)****Revised:**

Change the stated restriction “Art majors only” or “School of Art majors only” or “majors only” to read “School of Art majors and minors only.”

299X	Exp Topics in 3D Art
300	Craft Workshop
312	Ceramics: Throwing 1
316	Glaze and Kiln Technology
322	Metalsmithing and Die-forming
323	Metals: Casting
324	Metals: Color
331	Glass: Special Topics
332	Intermediate Glass Blowing
333	Intermediate Glass Casting
334	Glass: Cold Working
335	Glass: Advanced Studio

ART: EDUCATION (AED)**Revised:**

201 Art Education: Introduction (3) Introduction to art education as a teaching profession. Emphasizes investigating artistic growth of normal and special populations and the materials, techniques, tools, art concepts, and strategies appropriate for teaching art to such students.

Prerequisite: ADS 101 and ADS 102 and ADS 103; AFA 101 or by permission of the instructor.

Open only to School of Art majors.

304 Art Education: Curriculum and Instruction (3)

Curriculum content, planning, teaching strategies, assessment in art education by developing a thematically based unit of art education lessons.

Prerequisite: AHS 101 and AHS 102; C or better grade in AED 201 or by permission of the instructor; admission to the Teachers College.

Open only to School of Art majors.

ART: FINE ARTS (AFA)**Revised:**

Change the stated restriction “Art majors only” or “School of Art majors only” or “majors only” to read “School of Art majors and minors only.”

299X	Exp Topics in 2D Art Sculpt
300	Studio Workshop
301	Drawing: Point of View
302	Drawing: Narr and Metaphor
303	Intermediate Figure Drawing
304	Experimental Figure Drawing
305	Drawing from Nature
312	Figure Painting
313	Painting: Concepts Contexts
314	Painting: Materials and Strats
315	Narrative Painting
316	Special Topics in Painting
317	Encaustics
322	Sculpture 2
341	Intaglio Printmaking 1
351	Lithography 1
361	Relief Printmaking 1
362	Relief Printmaking 2
371	Serigraphy 1
372	Serigraphy 2
381	Bookmaking

AFA 405 Advanced Topics in Drawing

Change pre-requisite to read:

9 credits from AFA 301 or 302 or 303 or 304 and special permission by instructor. Open only to **School of Art majors.**

ART (ART)**Revised:**

Change the stated restriction “Art majors only” or “School of Art majors only” or “majors only” to read “School of Art majors and minors only.”

200	Introduction to Computer Art
231	Photography 1
233	Digital Imaging
300	Art Workshop (1-3)
301	Advanced Computer Art
321	Video and Intermedia Art 1
322	Video and Intermedia Art 2
323	Spec Topics in Intermedia Art
330	Color Photography
331	Studio Photography
332	Special Topics in Photography

School of Music

MUSIC HISTORY AND MUSICOLOGY (MUHI)

New:

609 Music and Politics (3) Starting from an exploration of the ways in which Beethoven's music has been linked to diverse political issues, this course will sample the ways music from the nineteenth through the twenty-first centuries exhibits political values or is manipulated to political ends. Individual units will be devoted to the ways in which music intersects with such issues as race and ethnicity, gender and sexual identity, protest and power. While centered on western art music, students will be afforded the opportunity to explore political issues related to popular genres and jazz, as well as cultures in diverse countries.

Department of Theatre and Dance

THEATRE (THEA)

New:

222 Photoshop for Theatre (3) An introduction to the tools of Photoshop and how this program is applicable in a wide range of theatrical applications.

Prerequisite: permission of the department chairperson.

341 Acting Master Class (1) Studio-based investigation into and application of various acting techniques with a focus on ensemble and scene work.

Prerequisite: THEA 233.

A total of 4 credits may be earned.

Open only to theatre majors.

Revised:

123 Elements of Theatrical Composition (3) A fundamental practical course to explore and apply basic principles and elements in theatrical composition. Students are trained in application of various elements of color, line, scale, texture, etc. to develop their visual skills. Enables the student to prepare for upper level design/tech courses.

Prerequisite: permission of the department chairperson.

Open only to theatre majors and minors.

220 Stagecraft (3) A practical introduction to the fundamentals of the crafts involved in theatre production at the school, college, and community theatre levels.

Prerequisite: permission of the department chairperson.

221 Technical Direction (3) An introduction to the techniques and practices of technical direction for theatrical productions.

Prerequisite: permission of the department chairperson.

226 (421) Stage Properties (3) The examination of stage properties for theatrical production in many forms and styles. Emphasis is on technical theatre procedures including the analysis, production, and visualization of props within scenic design. Areas of concentration are analysis, research, understanding of materials, exploration of ideas, as well as craftsmanship.

Prerequisite: THEA 220; permission of the department chairperson.

373 Musical Theatre Scene Study (1) Connects acting and singing studios through the use of libretto scenes and their accompanying duets from multiple periods in musical theatre. Students will understand heightened realism in musical theatre and specify the physical and emotional world of the piece, and will learn how to bridge the gap between the spoken text and songs particular to this genre of performance.

Prerequisite: permission of the department chairperson.

428 Technical Direction 2 (3) Advanced exploration of the techniques and practices of technical direction for theatrical productions.

Prerequisite: THEA 221; permission of the department chairperson.

Dropped:

421 Stage Properties (3)

COLLEGE OF HEALTH

Department of Nutrition and Health Science

HEALTH SCIENCE (HSC)

Dropped/replaced:

Dropped courses on left; replacement courses on right For dropped/replaced courses that also have revisions, the old courses are notated in parenthesis.

HSC 562 → HSC 662

HSC 564 → HSC 664

HSC 567 → HSC 667

HSC 568 → HSC 668

HSC 571 → HSC 673

HSC 572 → HSC 672

HSC 581 → HSC 681

HSC 589 → HSC 689

HSC 598 → HSC 698

665 (569) Health and Aging (3) Dynamics of later life and the aging process with specific emphasis on health. The physiological and behavioral dimensions of the aging process.

Not open to students who have credit in HSC 369.

682 (582) Environmental Health (3) Physical environment and its relationship to disease causation. Review of environmental health problems and their solutions. Areas of study include air and water pollution, food sanitation, disposal of human excreta and waste, radiation and occupational health problems, and risk.

Not open to students who have credit in HSC 482.

Dropped:

585 Community Health (4)

COLLEGE OF SCIENCES AND HUMANITIES

SCIENCE (SCI)

Revised:

150 Introduction to Teaching Science in Secondary Schools

(3) An introduction to the process of becoming a science teacher in secondary schools. Through coursework and targeted clinical experiences, teacher candidates will begin to form their professional identities as future educators, develop a beginning knowledge base for teaching, and engage with the integration of technology throughout the learning process. They will also observe, develop, and demonstrate initial core teaching practices.

Open only to Secondary Science teaching majors (all science license areas).

396 Using Science Methods and Materials (3) Methods and materials used in teaching secondary science. Designing activities for laboratory and field work, maintaining safety guidelines, and incorporating computers and electronic technology into data collection and analysis. Textbook collection, equipment inventories, and teaching on a science budget.

Prerequisite: SCI 295.

Open only to teaching majors in chemistry, life science, physical science, and earth/space science.

Department of Criminal Justice and Criminology

CRIMINAL JUSTICE AND CRIMINOLOGY (CJC)

Revised:

211 Race, Ethnicity, and Gender (3) Examines racial, ethnic, gender, and class issues regarding criminal offenders, victims, and employees of the criminal justice system. Focus is given to the development of cultural competency skills and practices.

Prerequisite: CJC 101 and 102 or by permission of the department chairperson.

Open only to CJC majors and minors.

229 Decision-Making and Ethics in Criminal Justice (3)

Examines decision making in the American criminal justice system. Ethical systems are applied to justice system decision making. An emphasis is placed on ethical principles and concerns impacting the justice system.

Prerequisite: CJC 101 and CJC 102.

Open only to CJC majors and minors.

251 Criminal Law (3) Examines the functions of substantive criminal law; its historical foundations and limits. Emphasis is placed on Indiana criminal law.

Prerequisite: CJC 101 and CJC 102.

Open only to CJC majors and minors.

410 Current Topics in Criminal Justice and Criminology

(3-6) Examines contemporary issues and topics in the criminal justice and criminology fields. The specific course topic is faculty-selected and delivered through various platforms, including individualized study, reporting, group discussion, or field study and observation.

Prerequisite: CJC 101 and CJC 102.

A total of 6 credits may be earned.

Open only to CJC majors and minors.

Department of Geological Sciences

GEOLOGY (GEOL)

New:

602 Colloquium in Geoscience Research (3) Course consists of the discussion of current geoscience research topics.

Students will attend research presentations by faculty, visiting scientists, and advanced graduate students. The development of skills in the presentation of the student's own research and the critical review of peer research is an important goal of this course.

Prerequisite: graduate standing and the permission of the Graduate Advisor.

Open only to graduate students.

Department of Natural Resources and Environmental Management

NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT (NREM)

New:

652 Air, Water and Soil Pollution (3) Chemical and biological processes related to environmental pollution, with emphasis on causes, pathways and risks to public health and

the environment. Conventional and innovative technologies for remediation of contaminated air, water and soil. Some environmental chemistry.

Open only to graduate students.

Revised:

615 (515) Water Quality Management (3) Effects and consequences of point and non-point sources of pollution on quality of surface and drinking water; occurrence, sources and effects of regulated and unregulated contaminants; role of regulations in water quality management in U.S., centralized drinking water and wastewater treatment. Laboratory analysis of water quality parameters; may include field work. Prerequisite: NREM 511 or permission of the department chairperson.

Not open to students who have credit in NREM 415 or NREM 515.

Open only to graduate students.

622 (522) Soil Quality (3) Chemical, physical, and biological properties of soil that affect plant production and other land uses. Emphasizes nutrient cycles in natural and cropped systems. Use and fate of pesticides. Land application of agricultural and urban wastes.

Prerequisite: introductory general chemistry course; introductory soils course, or permission of the department chairperson.

Not open to students who have credit in NREM 422 or NREM 522.

Open only to graduate students.

627 (527) Soil Conservation and Management (3) Advanced principles and methods of controlling soil erosion, stressing use of advanced soil concepts. Advanced management systems and individual practices, with special emphasis on advanced soil resource maintenance. Field work and laboratory work is required.

Prerequisite: introductory soils course or permission of department chairperson.

Not open to students who have credit in NREM 427 or NREM 527.

Open only to graduate students.

642 (542) Air Quality Management (3) Basic, technical, and regulatory requirements of air quality management to plan and guide a successful air quality program at the facility level. Compliance, emission inventories and processes, meteorology and dispersion modeling, and permitting.

Prerequisite: introductory general chemistry course; introductory air resources course, such as NREM 541 or permission of the department chairperson.

Not open to students who have credit in NREM 442 or NREM 542.

Open only to graduate students.

687 (587) Solid and Hazardous Waste Management (3) Delineation of solid and hazardous waste management in the United States. Waste reduction, recycling, processing, and disposal methods are discussed. Technical, political, and

economic aspects of waste management. Effects of improper disposal on environmental quality.

Prerequisite: introductory general chemistry course.

Not open to students who have credit in NREM 487 or NREM 587.

Open only to graduate students.

688 (588) Site Assessment and Remediation (3) Experience with Phase I and Phase II environmental site assessments. Conventional and innovative technologies for remediation of contaminated soils and groundwater. Review of relevant environmental regulations. Some environmental chemistry.

Prerequisite: introductory general chemistry course.

Not open to students who have credit in NREM 488 or NREM 588.

Open only to graduate students.

Dropped:

515 Water Quality Management (3)

522 Soil Quality (2)

527 Soil Conservation and Management (3)

542 Air Quality Management (3)

587 Solid and Hazardous Waste Management (3)

588 Site Assessment and Remediation (3)

TEACHERS COLLEGE

Department of Early Childhood, Youth, and Family Studies

EARLY CHILDHOOD, YOUTH, AND FAMILY STUDIES (ECYF)

Revised:

680 (FCFC 680) Family Problems (3) Survey of the major problems experienced by families. Emphasizes whole-family functioning rather than individual functioning. Preventive measures, treatment approaches, and appropriate agencies and services are identified.

Department of Educational Studies

New:

665 Integrative STEM Education: Principles and Pedagogy (3) Examines foundational knowledge and skills used in integrative science, technology, engineering, and mathematics (STEM) education approaches. Studies principles and practices of integrative curriculum and instruction as they relate to planning, implementing, and leading integrative STEM programs in educational settings.

Laura Helms
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