

2017-18

**Undergraduate Catalog
Addendum**

UNDERGRADUATE COURSE DESCRIPTIONS

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CHM 45500 - Instrumental Analysis (4)

This course centers on the study of instrumental methods of chemical analysis including spectrometric and mass analysis as well as separation techniques. Instruments covered, but not limited to, are AA, UV/Vis, FTIR, GC, GC/MS, and X-Ray Diffraction. Emphasis is given to principles of the techniques, method selections and their applications. ~~Laboratory work included.~~ Lab fee required.

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COM 10400-10499 - Focus in Web (3)

Techniques in web architecture are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 10600-10699 - Focus in Interactive (3)

Techniques in interactive media are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 10700-10799 - Focus in Design (3)

Techniques in design are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 12300 - Media Design Foundations (3)

A computer-based course designed to familiarize students with principles of design, color theory, typography, layout, usability, storyboarding, and other foundational aspects of interactive media and web design through a hands-on approach. Lab fee may be required.

COM 13600 - Programming Logic (3)

This course introduces students to programming logic in a structured web centric environment. Topics include language syntax, semantics, data types, program organization, pseudo code, flow-charting, algorithm design, and basic programming constructs. Lab fee may be required.

COM 20200 - Design with Photoshop (3)

This is a hands-on course that covers the fundamentals of digital image manipulation and

graphic creation using Adobe's Photoshop. Photo retouching, image capture, and image creation will be emphasized as well as current techniques and trends. This class will culminate with the rendering of a professional portfolio component. Lab fee may be required.

COM 20300-20399 - Focus in Interactive (3)

Techniques in interactive media are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 20400-20499 - Focus in Web (3)

Techniques in web architecture are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 20500-20599 - Focus in Design (3)

Techniques in design are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 23300 - Internet & Web (3)

This is a lab-based course designed to familiarize students with advanced methods of information retrieval via the Internet; combined with hands-on design, development, and publication experience through the use of HTML and CSS. Lab fee may be required.

COM 23600 - Digital Painting (3)

This class is designed to familiarize students with painting in a digital medium. The students will learn to utilize painting programs to simulate the natural tools of the artist, such as watercolor, oils, charcoal and others. Students will use the various tools available in these programs such as brushes, paper textures, media palettes and mixers to create art work that can only be generated in a digital medium. Lab fee may be required.

COM 30001-30099 - Focus in Design (3)

Techniques in design are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. Lab fee may be required.

COM 30201-30299 - Focus in Interactive (3)

Techniques in interactive media are constantly changing. This course ensures that the IMWD

program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. **Lab fee may be required.**

COM 30500 - Desktop Publishing (3)

This course gives the student an understanding of the production cycle of printed materials. The student will develop a working knowledge of pre-press to press proof with a variety of printing demands. The student will learn how to use printing software and develop an understanding of professionally designed and produced materials. **Lab fee may be required.**

COM 30801-30899 - Focus in Web (3)

Techniques in web architecture are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. **Lab fee may be required.**

COM 33400 - Web Design I (3)

This course focuses on HTML, CSS, and javascript solutions utilized in the design and development of interactive websites. Responsive design, frameworks, jquery, and other design solutions are introduced to students as a means of responding to the demands of the industry. Hands on activities and projects require students to apply techniques covered in the course. A registered domain name and web hosting plan capable of supporting FTP, PHP, MySQL are mandatory. **Lab fee may be required.**

COM 33600 - 3D Graphics (3)

This hands-on course provides students with the skills needed to design 3D models, materials, lighting, and animation using a popular 3D software application. Rendering techniques, camera usage, and surface-mapping will be covered in an effort to have students capable of producing photo-realistic images. **Lab fee may be required.**

COM 33700 - Design with Illustrator (3)

Students will receive specialized hands-on training in the creation of computer generated vector graphics through the use of Adobe's Illustrator. Attention will be placed on fundamental techniques, corporate branding, logo design, interactive illustrations and illustration for use in both print and screen. Additional focus will be given to the integration of both raster and vector graphics across multiple applications. This class will culminate with the rendering of a professional portfolio component. **Lab fee may be required.**

COM 33800 - Portfolio and Career Foundations (3)

This course provides students with a structured environment to showcase both personal design style and technical skills as it pertains to the field of Interactive Media and Web Design. Students will refine self-selected pieces, and develop an interactive platform in which to display the best of their work. Interviewing, résumé building, and job hunting are closely tied to the distribution of a portfolio and thus are a pivotal part of the course content. Students will conclude the course with a professional résumé, digital portfolio, and set of skills that will assist them in securing both a valuable internship and future career. **Lab fee may be required.**

COM 40200-40299 - Focus in Web (3)

Techniques in web architecture are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. **Lab fee may be required.**

COM 40601-40699 - Focus in Interactive (3)

Techniques in interactive media are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. **Lab fee may be required.**

COM 40700-40799 - Focus in Design (3)

Techniques in design are constantly changing. This course ensures that the IMWD program is flexible enough to provide students with exposure to the latest techniques, trends, and applications focused on a variety of aspects of design. **Lab fee may be required.**

COM 42400 - Applications for Mobile Devices (3)

This is an introductory hands-on course focused on the creation of web applications for deployment on multiple platforms such as personal computers, tablets, and smartphones. Topics will include connectivity, interface design, application architectures, and programming. Students will gain skills necessary to develop applications that utilize the unique hardware and communication capabilities of a variety of devices. This course is project based and will likely require extensive time commitment outside of class time. **Lab fee may be required.**

COM 44300 - Web Design II (3)

Continuing to build upon the skills and techniques covered in Web Design I, this course focuses on the User Experience through the development of web environments and components. Continued use of

HTML, CSS, Javascript, JQuery, Frameworks, and other technologies should be expected along with the introduction of other techniques and technologies currently trending in the industry. A registered domain name and web hosting plan capable of supporting FTP, PHP, MySQL are mandatory. **Lab fee may be required.**

COM 44401 - Interactive Design (3)

This course focuses on the engaging of target audiences through the design of interactive and intuitive interfaces. Through hands-on activities and projects, students will apply current trends and techniques using popular software applications in an effort to create environments that are both inviting and stimulating. **Lab fee may be required.**

COM 44420 - Interactive Media and Web Design Firm (3)

This course provides students with real-world experience in the design of digital and print content for non-profit entities in our community. Students will work directly with clients in the development of websites, logos, print materials, interactive applications, and overall branding strategies. The course will operate much like a design firm. Students will collaborate on projects, present deliverables to clients, research solutions to client requests, and revise work based on client feedback. **Lab fee may be required.**

COM 44444 - Interactive Media and Web Design Firm II (3)

This course provides students with real-world leadership experience in the design of digital and print content for both Lindenwood and non-profit entities in the community. Students will lead design teams in working directly with clients in the development of websites, logos, print materials, interactive applications, and overall branding strategies. Students will collaborate on projects, present deliverables to clients, research solutions to client requests, and revise work based on client feedback. **Lab fee may be required.**

COM 48400 - Capstone Interactive Media and Web Design (3)

The Interactive Media and Web Design capstone course emphasizes work on a substantial project that reflects the knowledge and skills that a student has acquired through study in the program. The capstone course will challenge students through activities that encourage collaboration, mandate client interaction, and encourage adherence to current technological trends used in the industry. **Lab fee may be required.**

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HIST 16300 - Revolutions in the Modern World (3)

GE-Human Culture: World History/Human Diversity (GE-HC: WHis/HD) This course is a study of world history since 1500 through the theme of revolution. It emphasizes the relationships between revolutionary thought and practice while also discussing the major themes of modern world history and the problems facing our current world. Not open to students with credit in HIST 16200 or HIST 26200.

Prerequisite: ENGL 15000 or placement in ENGL 15000 or EPP 15000 or placement in EPP 15000.