ART 100 American Art and Culture
3 cr. Undergraduate.
Prerequisites: none.
Course Rules: Not open for cr or enrollment to Art & Art Educ majors.
General Education Requirements: A
Current Offerings: https://catalog.uwm.edu/course-search/

ART 101 Drawing I
3 cr. Undergraduate.
Exploration of drawing materials, methods, concepts and expression based on visual observation.
Prerequisites: Art major or minor.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 105 Art & Design Lecture Series
3 cr. Undergraduate.
Introduction to contemporary art and design as presented through artist lecture series; addresses themes of form, function, criticism and audience relative to contemporary art practice.
Prerequisites: none.
General Education Requirements: A
Last Taught: Spring 2016, Fall 2015, Spring 2015, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 106 Art Survey
3 cr. Undergraduate.
Introduction to the visual arts disciplines and contemporary critical concerns. Course themes investigate inter-relations between technical process and expressive intent.
Prerequisites: none.
General Education Requirements: A
Current Offerings: https://catalog.uwm.edu/course-search/

ART 107 Art & Design Lecture Series
3 cr. Undergraduate.
An introduction to three-dimensional design through constructed surface and form studies, tool usage and fabrication techniques.
Prerequisites: none.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 109 3D Concepts
3 cr. Undergraduate.
Introduction to three-dimensional design through constructed surface and form studies, tool usage and fabrication techniques.
Prerequisites: none.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 118 Digital Arts: Culture, Theory, Practice
3 cr. Undergraduate.
Introduction to electronic art and imaging. Focus on historical and cultural contexts, theoretical concepts and studio skills using imaging software.
Prerequisites: none.
General Education Requirements: A
Current Offerings: https://catalog.uwm.edu/course-search/

ART 124 Design Survey
3 cr. Undergraduate.
Survey of design disciplines and movements of the 19th, 20th and 21st centuries. Slide lectures include industrial design, architecture, graphic design, and design movements.
Prerequisites: none.
General Education Requirements: A
Current Offerings: https://catalog.uwm.edu/course-search/

ART 150 Multicultural America
3 cr. Undergraduate.
Cross-cultural study of U.S. ethnic and racial identities through materials drawn from a variety of media arts practices (e.g. film, photography, new media) with attention to African-, Asian-, Hispanic- and Native American experiences.
Prerequisites: none.
Course Rules: Cultures and Communities Prog course; req’d service learning component. Jointly offered with & counts as repeat of Film 150.
General Education Requirements: A, CD
Current Offerings: https://catalog.uwm.edu/course-search/

ART 152 Photography Survey
3 cr. Undergraduate.
Survey of photographic processes and movements of the 19th, 20th, and 21st centuries, with emphasis on historical and cultural contexts that shaped the application of the medium.
Prerequisites: none
Last Taught: Fall 2018, Fall 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 201 Drawing II
3 cr. Undergraduate.
Expanded development of drawing materials, methods and expression; focus on conceptual and perceptual process.
Prerequisites: Art 101(P).
Current Offerings: https://catalog.uwm.edu/course-search/
ART 207 Undergraduate Research Assistantship in Art and Design
1-3 cr. Undergraduate.
An opportunity for freshmen and sophomores to work collaboratively with an Art and Design faculty member on a specific and sustained research project.
Prerequisites: admis to First Year Prog or Art & Design, & cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Spring 2015, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 208 Color Studio
3 cr. Undergraduate.
Expanded exploration of the art and science of color for studio media; focus on pigment, screen and digital output.
Prerequisites: Art 101(P), 108(P); or cons instr.
Last Taught: UWinteriM 2015, Summer 2013, Fall 2011, UWinteriM 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 212 Introduction to Digital Studio: A/V Strategies
3 cr. Undergraduate.
Introduction to time based technologies for artists and designers; includes audio, video, and animation techniques. Surround sound, lighting, green screen, and visual effects are examined.
Prerequisites: Art 101(P), 108(P), & 118(P); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test, or cons instr
Current Offerings: https://catalog.uwm.edu/course-search/

ART 218 2D Design Strategies
3 cr. Undergraduate.
Introduction to problem solving using the basics of drawing and elements & principles of design; includes composition & color theory.
Course Rules: none.
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 221 Introduction to Design
3 cr. Undergraduate.
Introduction to computer as design and production tool for graphic design, use software to create graphics, edit images and design complex layouts.
Prerequisites: Art 101(P), 106(P), 108(P), & 118(P); or admis to Inter-Arts/ IAT prog & Art 118(P); Math 102(C), 103(C), 105(C), 108(C), or Level 30 on Math Placement Test, or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 223 Introduction to Typography
3 cr. Undergraduate.
Introduction to the fundamentals of designing with type; emphasis on formal design skills, type history, conceptual problem-solving.
Prerequisites: Art 101(P), 106(P), 108(P), 109(P), 118(P) & 221(C); Math 102(C), 103(C), 105(C), 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 224 Dynamic Typography
3 cr. Undergraduate.
Fundamentals of designing with type; emphasis on formal design skills, conceptual problem solving. Focus on screen-based projects and type in motion, some print design.
Prerequisites: Art 101(P), 108(P), & 118(P); or pre-Inter-Arts/IAT prog; Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr.
Last Taught: Spring 2011, Fall 2010, Fall 2009, Spring 2009.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 227 Design Workshop:
3 cr. Undergraduate.
A concept oriented workshop in graphic design.
Prerequisites: see Schedule of Classes. Math 102(C), 103(C), 105(C), 108(C), or Level 30 on Math Placement Test; or cons instr.
Course Rules: May be retaken w/chg in topic to max of 6 cr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 231 Introduction to Fibers
3 cr. Undergraduate.
Introduction to fiber materials and processes and contemporary aesthetic consideration in fiber arts.
Prerequisites: Art 101(P); & 108(P) or 109(P); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 238 Fiber Workshop:
3 cr. Undergraduate.
Special topics course in fibers.
Prerequisites: see Schedule of Classes; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 243 Introduction to Painting
3 cr. Undergraduate.
Exploration of oil painting medium including color and construction of pictorial space. Work primarily from observation, investigating range of motifs and personal content.
Prerequisites: Art 101(P), 106(P), & 108(P); Math 102(C), 103(C), 105(C), 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 249 Painting and Drawing Workshop:
1-3 cr. Undergraduate.
Special topic course in painting and drawing.
Prerequisites: admis to Art and Design Prog.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 253 Introduction to Photography
3 cr. Undergraduate.
Fundamental aesthetics/techniques of darkroom/digital photography using digital cameras & 35mm SLR film cameras; focus on camera operation, image exposure, printing practice for b/w compositions.
Prerequisites: Art 108(P), or 118(P), or 152(P), or Film 117(P); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr
Current Offerings: https://catalog.uwm.edu/course-search/

ART 259 Beginning Photographic Workshop:
1-3 cr. Undergraduate.
Beginning special topic workshop course in photography.
Prerequisites: admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Fall 2015, Fall 2014, UWinteriM 2013, Summer 2009.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 261 Introduction to Sculpture
3 cr. Undergraduate.
Basic experiences in various sculpture media with an emphasis on the esthetic interrelationship of techniques and concept.
Prerequisites: Art 101(P), 106(P) & 109(P); Math 102(C), 103(C), 105(C), or 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 269 Sculpture Workshop:
1-3 cr. Undergraduate.
A short term, special topic workshop in sculpture.
Prerequisites: see Schedule of Classes.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 271 Introduction to Jewelry and Metalsmithing
3 cr. Undergraduate.
Introduction to major aspects of metalworking and jewelry. Develop design skills and technical competency and explore metalsmithing as an art form. Outside class work required.
Prerequisites: Art 101(P), 106(P), & 109(P); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 277 Design for Digital Fabrication
3 cr. Undergraduate.
Introduction digital design, drawing and fabrication using 3D modeling software and output devices such as 3D printers and laser cutters.
Prerequisites: Art 118(P) or equiv; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 278 Introduction to Industrial Craft
3 cr. Undergraduate.
Introduction to fabrication methods, materials and techniques for problem-solving in the design of physical objects.
Prerequisites: Art 277(C); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr
Last Taught: Fall 2018, Fall 2017, Fall 2016, Spring 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 279 Jewelry and Metalsmithing Workshop:
1-3 cr. Undergraduate.
Special topics workshop in jewelry and metalsmithing.
Prerequisites: see Schedule of Classes.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 281 Introduction to Ceramics
3 cr. Undergraduate.
Handbuilding, surface embellishment and glazing of functional and sculptural ceramic forms. Slide lectures of historical and contemporary approaches to the medium.
Prerequisites: Art 101(P), 106(P), & 109(P); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 289 Ceramics Workshop:
1-3 cr. Undergraduate.
A short term, special topic workshop in ceramics.
Prerequisites: see Schedule of Classes.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Fall 2015, Fall 2013, Fall 2012, Fall 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 291 Introduction to Print and Narrative Forms
3 cr. Undergraduate.
Introduction to basic studio practices, skills, and materials including plates, presses, inks, and image processing.
Prerequisites: Art 101(P), 106(P), & 108(P); Math 102(C), or Math 103(C), or Math 105(C), or Math 108(C), or Level 30 on Math Placement Test; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 297 Study Abroad:
1-12 cr. Undergraduate.
Studio and special problems designed to provide relevant course work for a study abroad in the visual arts.
Prerequisites: admis to Art and Design Prog; acceptance in Study Abroad Prog.
Course Rules: May be retaken with topic change.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 299 Printmaking Workshop:
3 cr. Undergraduate.
A special topic workshop in Print & Narrative Forms.
Prerequisites: see Schedule of Classes.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2013, Summer 2012, Summer 2011, Fall 2010.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 302 Art and Design Workshop:
3 cr. Undergraduate/Graduate.
Special topic course in Art and Design.
Prerequisites: jr st, admis to Art and Design prog or to IAT; or grad st.
Course Rules: May be retaken with topic change to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 302G Art and Design Workshop:
3 cr. Undergraduate/Graduate.
Special topic course in Art and Design.
Prerequisites: jr st, admis to Art and Design prog or to IAT; or grad st.
Course Rules: May be retaken with topic change to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 306 Introduction to Community Art
3 cr. Undergraduate.
Study of community arts as a tool for enriching community life, affirming cultural identity, and pursuing political and social justice goals.
Prerequisites: admis to Art & Design, Multicultural America 150(P) (in any area).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 309 Issues in Contemporary Art:
3 cr. Undergraduate.
Lecture course focused on critical issues/theory in contemporary art and culture.
Prerequisites: soph st or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
General Education Requirements: A, CD
Current Offerings: https://catalog.uwm.edu/course-search/

ART 312 Intermediate Digital Studio
3 cr. Undergraduate/Graduate.
Students investigate the relationship between concept, material, process, aesthetic, and context in artmaking. Then, students are encouraged to integrate digital and traditional approaches to production.
Prerequisites: jr st & admis to Art & Design prog or IAT 212(P) or Film 222(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 312G Intermediate Digital Studio
3 cr. Undergraduate/Graduate.
Students investigate the relationship between concept, material, process, aesthetic, and context in artmaking. Then, students are encouraged to integrate digital and traditional approaches to production.
Prerequisites: jr st & admis to Art & Design prog or IAT 212(P) or Film 222(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 313 Programming for Artists I
3 cr. Undergraduate/Graduate.
An introduction to principles and applications of computer programming languages within art practice.
Prerequisites: jr st, admis to IAT prog or to Visual Art prog & Art 118(P); or grad st; or cons instr.
Course Rules: Art 313 & FineArt 313 are jointly offered; they count as repeats of one another.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 313G Programming for Artists I
3 cr. Undergraduate/Graduate.
An introduction to principles and applications of computer programming languages within art practice.
Prerequisites: jr st, admis to IAT prog or to Visual Art prog & Art 118(P); or grad st; or cons instr.
Course Rules: Art 313 & FineArt 313 are jointly offered; they count as repeats of one another.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 314 Digital Painting
3 cr. Undergraduate.
Use image-editing/painting software and tablets to generate digital paintings. Traditional rendering techniques will be considered along with color and kinetic concepts.
Prerequisites: soph st & Art 118 (P); or cons instr.
Course Rules: Counts as repeat of Art 302 w/same topic.
Last Taught: Fall 2018, Fall 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 315 Participatory Art and Social Practice
3 cr. Undergraduate/Graduate.
Students study installation and eco-art, participatory art and social practice, and incorporate contemporary concepts and their strategies into individual and collaborative work.
Prerequisites: jr st, admis to Inter-Arts/IAT prog or Art & Design prog; or cons instr.
Course Rules: Counts as repeat of Art 327 w/similar topic.
Last Taught: Spring 2019, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 315G Participatory Art and Social Practice
3 cr. Undergraduate/Graduate.
Students study installation and eco-art, participatory art and social practice, and incorporate contemporary concepts and their strategies into individual and collaborative work.
Prerequisites: jr st, admis to Inter-Arts/IAT prog or Art & Design prog; or cons instr.
Course Rules: Counts as repeat of Art 327 w/similar topic.
Last Taught: Spring 2019, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 316 Interactive and Multimedia Art
3 cr. Undergraduate/Graduate.
An introduction to interactive art objects and installations using computer vision, signal processing, and/or MIDI and USB technologies.
Prerequisites: jr st, admis to Inter-Arts/IAT prog or Art & Design prog; or cons instr.
Course Rules: Art 316 & FineArt 316(211) are jointly offered; they count as repeats of each other.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 317 3D Imaging I
3 cr. Undergraduate/Graduate.
An introduction to 3D imaging techniques and applications.
Prerequisites: jr st, admis to Art and Design prog or Inter-Arts/IAT prog; grad st; or cons instr.
Last Taught: Summer 2019, Summer 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 317G 3D Imaging I
3 cr. Undergraduate/Graduate.
An introduction to 3D imaging techniques and applications.
Prerequisites: jr st, admis to Art and Design prog or Inter-Arts/IAT prog; grad st; or cons instr.
Last Taught: Summer 2019, Summer 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 318 Electronics and Sculpture
3 cr. Undergraduate.
Art production using interactive systems such as sensors, microcontrollers, motors, lights.
Prerequisites: Admis to Art and Design prog or IAT prog; or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Spring 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 319 Hybrid Sculptural Forms:
3 cr. Undergraduate.
Introduction to concrete computing for artists, including robotics, interactive systems; basic programming, and soldering/assembly. Emphasis on production of object oriented art.
Prerequisites: Admis to Art and Design prog or Inter-Arts/IAT prog; & Art 118(P); or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max. Art 319 & FineArt 319 are jointly offered & count as repeats of each other.
Last Taught: Spring 2010.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 321 Design and Visual Communication I
3 cr. Undergraduate.
Basic forms and concepts for design and visual communication. Basic professional and academic concepts explored through studio assignments, lectures and readings.
Prerequisites: admis to Art and Design prog, grade of B- or better in ART 124(P), ART 221(P), ART 223(P) & successful completion of Design and Visual Communication portfolio review.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 322 Topics in Illustration:
3 cr. Undergraduate.
Application of design and media skills to illustration problems. Interrelation of image and typography in various graphic forms.
Prerequisites: soph st & admis to Art and Design Prog; or cons instr.
Course Rules: May be retaken w/chg in topic to max of 6 cr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 323 Typography II
3 cr. Undergraduate.
Continuation of Art 223; more advanced application of typogaphy in categories of informational and publication design; emphasis on contemporary typographic concepts and designs.
Prerequisites: grade of B- or better in Art 321(229)(P); 3 cr min Graphic Design expanded studies (grade of C or better).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 324 Web Design
3 cr. Undergraduate.
Introduction to design for the Internet: information architecture, hypertextuality, creative and client-based sites, critical issues of Internet culture; fundamentals of markup languages, CSS, and software.
Prerequisites: admis to Art and Design prog or pre-Inter-Arts/IAT prog, & Art 118(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 325 Web Design II
3 cr. Undergraduate.
Exploration of responsive design using HTML, CSS and prototyping tools/ frameworks; focus on design for usability across devices.
Prerequisites: admis to Art and Design prog or Inter-Arts/IAT prog; & Art 324(P); or grad st; or cons instr.
Last Taught: Fall 2018, Fall 2017, Spring 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 327 Digital Media Workshop:
3 cr. Undergraduate.
A concept oriented workshop in digital media.
Prerequisites: soph st, admis to Visual Art prog or Inter-Arts/IAT prog; or cons instr. See Schedule of Classes for additional prereq.
Course Rules: FineArt 327(351) & Art 327 are jointly offered & count as repeats of each other. May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2019, Fall 2018, Fall 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 332 Woven Structure I
3 cr. Undergraduate.
Contemporary concepts in weaving using various materials and loom techniques.
Prerequisites: Admis to Art and Design Prog & Art 231(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 333 Pliable Materials/Sculptural Forms
3 cr. Undergraduate.
Contemporary concepts in fiber construction using various materials & hand construction techniques.
Prerequisites: Admis to Art and Design Prog & Art 231(P); or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Spring 2014.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 336 Print, Paint and Dye on Fabric
3 cr. Undergraduate.
Batik, tie-dye and direct application of dyes and pigments on textiles.
Prerequisites: admis to Art and Design Prog & Art 231(P); or cons instr.
Last Taught: Spring 2017, Fall 2015, Fall 2013, Fall 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 337 Screen Printing on Fabric
3 cr. Undergraduate.
Design and repeat pattern through the screen printing process on textiles.
Use of dyes and pigments, stencil design and cloth construction.
Prerequisites: admis to Art and Design Prog & Art 231(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 342 Introduction to Figure Drawing
3 cr. Undergraduate.
Exploration of the figure through traditional and contemporary interpretations using a variety of drawing mediums.
Prerequisites: Art 101(P), 201(102)(P), 106(P), & 108(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 343 Figure Painting
3 cr. Undergraduate.
Traditional and contemporary approaches to figurative painting explored through art historical examples, expanded media/techniques and the development of personal direction.
Prerequisites: Art 342(P) & 243(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 344 Watercolor
3 cr. Undergraduate.
Painting in transparent watercolor. Introduction to basic principles and techniques.
Prerequisites: admis to Art and Design prog.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 347 Reading Works of Art
3 cr. Undergraduate/Graduate.
An advanced course in the visual 'reading' of works of art from the artists' point of view. Course includes slide lecture, with discussion. Student presentation required.
Prerequisites: jr st or cons instr.
Last Taught: Fall 2009, Fall 2008.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 347G Reading Works of Art
3 cr. Undergraduate/Graduate.
An advanced course in the visual 'reading' of works of art from the artists' point of view. Course includes slide lecture, with discussion. Student presentation required.
Prerequisites: jr st or cons instr.
Last Taught: Fall 2009, Fall 2008.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 350 Visualizing Ideas in Photography
3 cr. Undergraduate.
Critical theory and practices in photography, along with the aesthetic and technical challenges of digital photography and color capture, concentrating on camera operation, digital workflow practice and digital printing.
Prerequisites: Art 108(P), 118(P) or Film 117(P), & Art 253(P), 212(P), 221(P) or 291(P); & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 357 Studio Lighting & Digital Imaging
3 cr. Undergraduate/Graduate.
Aesthetic and technical challenges of lighting in the studio and other locations, along with an introduction to digital imaging strategies for photographers.
Prerequisites: ART 118(P) or FILM 117 (P), and ART 253(P), ART 212(P), or ART 221(P); or consent of instructor.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 357G Studio Lighting & Digital Imaging
3 cr. Undergraduate/Graduate.
Aesthetic and technical challenges of lighting in the studio and other locations, along with an introduction to digital imaging strategies for photographers.
Prerequisites: ART 118(P) or FILM 117 (P), and ART 253(P), ART 212(P), or ART 221(P); or consent of instructor.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 358 Medium and Large Format Photography
3 cr. Undergraduate/Graduate.
Aesthetic and technical challenges of analog photography with medium and large format cameras, addressing image pre-visualization, image scale, contrast control, photographic developers, scanning, paper surfaces, and fine art printing.
Prerequisites: jr st & Art 253(P) or Film 117(P) & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 253(P); or grad st; or cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 358G Medium and Large Format Photography
3 cr. Undergraduate/Graduate.
Aesthetic and technical challenges of analog photography with medium and large format cameras, addressing image pre-visualization, image scale, contrast control, photographic developers, scanning, paper surfaces, and fine art printing.
Prerequisites: jr st & Art 253(P) or Film 117(P) & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 253(P); or grad st; or cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 359 Intermediate Photography Workshop:
1-3 cr. Undergraduate.
Intermediate special topic workshop course in photography.
Prerequisites: soph st, admis to Art & Design prog, Pre-Film/Film prog, or Inter-Arts/IAT prog, or cons instr. Additional prerequisites may be announced in the Schedule of Classes each time course is offered.
Course Rules: May be retaken w/chg in topic to 15 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 363 Form and Materials
3 cr. Undergraduate.
Intermediate level experiences in an expanding range of sculpture processes. Development of expressive awareness through lectures, critiques, discussion and demonstrations.
Prerequisites: admis to Art and Design prog & Art 261(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 364 Sculpture II
3 cr. Undergraduate.
Continuation of Art 363.
Prerequisites: Art 363(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 365 Foundry Techniques
3 cr. Undergraduate.
Basic and advanced techniques using new and traditional moldmaking technologies. Fields trips to iron pours and conferences when possible.
Prerequisites: admis to Art and Design prog & Art 261(P).
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 366 Between Painting and Sculpture
3 cr. Undergraduate/Graduate.
A studio laboratory consisting of a wide spectrum of techniques and ideologies, concentrating on the exploration of joining painting and sculpture as a consummate form.
Prerequisites: jr st, Art 261(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 366G Between Painting and Sculpture
3 cr. Undergraduate/Graduate.
A studio laboratory consisting of a wide spectrum of techniques and ideologies, concentrating on the exploration of joining painting and sculpture as a consummate form.
Prerequisites: jr st, Art 261(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 368 Sculptural Practices:
3 cr. Undergraduate.
Intermediate level course in specialized sculpture processes & skills.
Prerequisites: admis to Visual Art prog & Art 261(P).
Course Rules: May be retaken w/chg in topic to 15 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 369 Sculpture Workshop:
3 cr. Undergraduate.
A special topic workshop in sculpture.
Prerequisites: admis to Art and Design prog & Art 261(P).
Course Rules: May be retaken w/chg in topic change to 6 cr max.
Last Taught: Fall 2014, Fall 2013, UWinteriM 2012, Fall 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 371 Construction and Fabrication in Jewelry and Metalsmithing
3 cr. Undergraduate.
Exploration of construction and fabrication methods and expansion of the aesthetic, physical, functional and cultural vocabulary of specific metalsmithing techniques. Four hours studio monitoring mandatory.
Prerequisites: admis to Art and Design prog & Art 271(P).
Last Taught: Fall 2018, Fall 2016, Fall 2015, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 372 The Multiple in Jewelry and Metalsmithing
3 cr. Undergraduate.
Introduces formal and conceptual issues associated with multiples as an art making strategy, using traditional and experimental casting processes. Four hours studio monitoring mandatory.
Prerequisites: admis to Art and Design prog & Art 271(P).
Last Taught: Fall 2017, Fall 2015, Spring 2014, Spring 2012.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 378 Industrial Processes and Fabrication
3 cr. Undergraduate/Graduate.
Survey of fabrication methods with emphasis on manipulation of material through industrial processes. Four hours studio monitoring mandatory.
Prerequisites: Art 261(P), or Art 271(P), or Art 278(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 378G Industrial Processes and Fabrication
3 cr. Undergraduate/Graduate.
Survey of fabrication methods with emphasis on manipulation of material through industrial processes. Four hours studio monitoring mandatory.
Prerequisites: Art 261(P), or Art 271(P), or Art 278(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 379 Jewelry and Metalsmithing Workshop:
1-3 cr. Undergraduate.
Special topics workshop in jewelry and metalsmithing.
Prerequisites: admis to Art and Design prog & Art 271(P).
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Fall 2014, Summer 2014, Summer 2013, Summer 2012.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 381 Throwing and Wheel Construction
3 cr. Undergraduate.
Introduction to the potter’s wheel as a forming tool, including integration of hand built and wheel thrown forms, and basic glaze formulation.
Prerequisites: admis to Art and Design prog & Art 281(P).
Current Offerings: https://catalog.uwm.edu/course-search/
ART 382 Building from the Figure in Clay
3 cr. Undergraduate.
Human form in clay through observation, drawing and modeling using a variety of ceramic construction methods. Individual conceptual and expressive approaches emphasized.
Prerequisites: Admis to Art and Design prog & Art 281(P); or cons instr.
Last Taught: Fall 2017, Fall 2014, Fall 2012, Fall 2010.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 383 Moldsm and Multiples in Ceramics
3 cr. Undergraduate.
Moldmaking for ceramics focusing on plaster molds. Press molds and slip casting methods for replication of forms in series, and issues of multiplicity are addressed.
Prerequisites: admis to Art and Design prog & Art 281(P); or cons instr.
Last Taught: Fall 2018, Fall 2015, Fall 2013, Fall 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 384 Experimental Processes in Woodfiring I
3 cr. Undergraduate.
Contemporary approaches to the ancient process of woodfiring. Development of personal aesthetic using woodfire effects on functional and sculptural work. Technical research, firing participation required.
Prerequisites: admis to Art and Design prog & Art 281(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 389 Ceramics Workshop:
1-3 cr. Undergraduate.
A short term special topic workshop in ceramics.
Prerequisites: admis to Art and Design prog & Art 281(P); or cons instr.
Course Rules: May be retaken w/chg in topic 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 391 Intermediate Print & Narrative Forms:
3 cr. Undergraduate.
Continuation of Print and Narrative Forms with focused studio investigations in specialized print media and book arts techniques.
Prerequisites: Admis to Art and Design prog; and Art 291(P); or grad st; or cons instr.
Course Rules: May be retook w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 392 Lithography
3 cr. Undergraduate/Gsgraduate.
Studio work based on stone and plate lithography; lectures on history, multicolor printing, polyester plate and experimental techniques in lithography.
Prerequisites: Art 291(P); or grad st & cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 392G Lithography
3 cr. Undergraduate/Gsgraduate.
Studio work based on stone and plate lithography; lectures on history, multicolor printing, polyester plate and experimental techniques in lithography.
Prerequisites: Art 291(P); or grad st & cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 393 Digital Printmaking
3 cr. Undergraduate.
A studio course exploring digital media and traditional printmaking. Media/content focus to include array of relevant topics.
Prerequisites: admis to Art and Design prog; & Art 291(P), 221(P), or 253(P); or admis to Inter-Arts/IAT; or cons instr.
Last Taught: Spring 2016, Fall 2015, Spring 2015, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 394 Intaglio
3 cr. Undergraduate/Gsgraduate.
Studio work in intaglio; drypoint engraving, etching, relief-intaglio; aquatint, experimental procedures, color printing, development of personal graphic concept.
Prerequisites: Art 291(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 394G Intaglio
3 cr. Undergraduate/Gsgraduate.
Studio work in intaglio; drypoint engraving, etching, relief-intaglio; aquatint, experimental procedures, color printing, development of personal graphic concept.
Prerequisites: Art 291(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 396 Photo Screenprinting
3 cr. Undergraduate/Gsgraduate.
Screen-print process using the photo-stencil to reproduce hand-drawn and computer manipulated marks and images; printing skills, experimentation with materials and multiple reproduction.
Prerequisites: Art 291(P), 253(P), 231(P), or 221(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 396G Photo Screenprinting
3 cr. Undergraduate/Gsgraduate.
Screen-print process using the photo-stencil to reproduce hand-drawn and computer manipulated marks and images; printing skills, experimentation with materials and multiple reproduction.
Prerequisites: Art 291(P), 253(P), 231(P), or 221(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 397 Book Arts Workshop:
3 cr. Undergraduate/Gsgraduate.
Studio work exploring traditional and experimental book structures. Media/content focus variable to include array of relevant topics.
Prerequisites: jr st; or grad st; or cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Spring 2015, Spring 2014.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 397G Book Arts Workshop:
3 cr. Undergraduate/Graduate.
Studio work exploring traditional and experimental book structures.
Media/content focus variable to include array of relevant topics.
Prerequisites: jr st; or grad st; or cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Spring 2015, Spring 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 398 Photo Printmaking
3 cr. Undergraduate.
Studio practice in the use of photo-sensitized plates, various printmaking processes (intaglio, lithography, relief) with emphasis on multiple plate color printing.
Prerequisites: admis to Art and Design prog & Art 291(P) or 253(P).
Last Taught: Fall 2014, Fall 2012, Fall 2010, Spring 2009.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 402 Art and Design Workshop:
1-3 cr. Undergraduate/Graduate.
Special topic course in Art and Design.
Prerequisites: jr st & admis to Art and Design prog; or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic change to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 402G Art and Design Workshop:
1-3 cr. Undergraduate/Graduate.
Special topic course in Art and Design.
Prerequisites: jr st & admis to Art and Design prog; or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic change to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 405 Product Realization
3 cr. Undergraduate/Graduate.
This interdisciplinary course (engineering and art students) considers the diverse aspects of the product realization process. 2.5 hrs lecture.
Prerequisites: jr st & admis to Art & Design prog or IAT prog; or Ind Eng 350(P), 360(P), 370(P); or MechEng 321(P), 360(P), 366(P), 370(P); or grad st & cons instr.
Course Rules: Art 405, MechEng 405, & Ind Eng 405 are jointly offered; they count as repeats of one another. Counts as repeat of Art 402/Ind Eng 590/MechEng 490 with same topic.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 405G Product Realization
3 cr. Undergraduate/Graduate.
This interdisciplinary course (engineering and art students) considers the diverse aspects of the product realization process. 2.5 hrs lecture.
Prerequisites: jr st & admis to Art & Design prog or IAT prog; or Ind Eng 350(P), 360(P), 370(P); or MechEng 321(P), 360(P), 366(P), 370(P); or grad st & cons instr.
Course Rules: Art 405, MechEng 405, & Ind Eng 405 are jointly offered; they count as repeats of one another. Counts as repeat of Art 402/Ind Eng 590/MechEng 490 with same topic.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 406 Community Arts II
3 cr. Undergraduate/Graduate.
Intermediate study of community arts as a tool for enriching community life, affirming cultural identity, and pursuing political and social justice goals.
Prerequisites: Art 306(P); or grad st; or cons instr.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 406G Community Arts II
3 cr. Undergraduate/Graduate.
Intermediate study of community arts as a tool for enriching community life, affirming cultural identity, and pursuing political and social justice goals.
Prerequisites: Art 306(P); or grad st; or cons instr.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 412 Advanced Digital Studio
3 cr. Undergraduate/Graduate.
An advanced, concept oriented studio course where students produce Digital Studio art.
Prerequisites: jr st, admis to Art & Design prog or IAT prog, & Art 312(P); or grad st; or cons instr.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 412G Advanced Digital Studio
3 cr. Undergraduate/Graduate.
An advanced, concept oriented studio course where students produce Digital Studio art.
Prerequisites: jr st, admis to Art & Design prog or IAT prog, & Art 312(P); or grad st; or cons instr.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 418 Advanced Electronics and Sculpture:
3 cr. Undergraduate/Graduate.
Advanced art production using interactive systems such as sensors, microcontrollers, motors, lights for interactivity installations & performance.
Prerequisites: jr st, admis to Art prog or IAT prog, & Art 318; or grad st; or cons instr. See schedule of classes for any additional prereqs.
Course Rules: May be retaken/chg in topic to 9 cr max.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 418G Advanced Electronics and Sculpture:
3 cr. Undergraduate/Graduate.
Advanced art production using interactive systems such as sensors, microcontrollers, motors, lights for interactivity installations & performance.
Prerequisites: jr st, admis to Art prog or IAT prog, & Art 318; or grad st; or cons instr. See schedule of classes for any additional prereqs.
Course Rules: May be retaken/chg in topic to 9 cr max.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 421 Design and Visual Communication II
3 cr. Undergraduate.
Intermediate level emphasizes a beginning professional synthesis of fundamentals of typography, symbol, image in comprehensive design projects.
Prerequisites: grade of B- or better in Art 321(229)(P), 323(328)(P) & 3 cr min Graphic Design expanded studies (grade of C or better).
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 422 Design Methodologies: Process, Communication & Theory
3 cr. Undergraduate.
Focus on creative process and communication; and entrepreneurial, professional and cross-disciplinary practices in design and related fields.
Prerequisites: Art 323(P) & successful completion of or exemption from a QL-A course, or cons instr.
General Education Requirements: QLB
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 423 Experimental Typography
3 cr. Undergraduate/Graduate.
Advanced understanding of typography, its use in innovative information systems, its historical context and function in various media including print, architectural applications, Web and multimedia.
Prerequisites: junior standing and a grade of B- or higher in ART 223; or consent of instructor.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 423G Experimental Typography
3 cr. Undergraduate/Graduate.
Advanced understanding of typography, its use in innovative information systems, its historical context and function in various media including print, architectural applications, Web and multimedia.
Prerequisites: junior standing and a grade of B- or higher in ART 223; or consent of instructor.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 424 Topics in Web, Interaction and Screen Design
3 cr. Undergraduate.
Exploration of concepts and technologies in web, interaction and screen design. Topic and additional prerequisites will be published in Schedule of Classes; students must meet additional prereqs.
Prerequisites: jr st; or cons instr.
Course Rules: May be retaken w/chg in topic to 9 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 426 Motion Graphics
3 cr. Undergraduate/Graduate.
Introduction to history and production of short-duration motion graphics (industry, Internet, titling, graphics, creative projects) using contemporary production tools (video editing, compositing, audio recording/sequencing).
Prerequisites: Jr st & Art 118(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 426G Motion Graphics
3 cr. Undergraduate/Graduate.
Introduction to history and production of short-duration motion graphics (industry, Internet, titling, graphics, creative projects) using contemporary production tools (video editing, compositing, audio recording/sequencing).
Prerequisites: Jr st & Art 118(P); or grad st; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 427 Advanced Design Workshop:
1-3 cr. Undergraduate/Graduate.
A short term, concept oriented workshop in graphic design.
Prerequisites: jr st & cons instr.
Course Rules: May be retaken w/chg in topic 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 427G Advanced Design Workshop:
1-3 cr. Undergraduate/Graduate.
A short term, concept oriented workshop in graphic design.
Prerequisites: jr st & cons instr.
Course Rules: May be retaken w/chg in topic 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 431 Special Topics in Fibers:
3 cr. Undergraduate/Graduate.
Advanced problem-solving working toward the development of cohesive body of work in non-loom construction.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2012, Fall 2009.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 431G Special Topics in Fibers:
3 cr. Undergraduate/Graduate.
Advanced problem-solving working toward the development of cohesive body of work in non-loom construction.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2012, Fall 2009.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 432 Woven Structure II
3 cr. Undergraduate/Graduate.
Continuation of ART 332. Further development of individual concepts in weaving leading to a cohesive body of work.
Prerequisites: Jr st, & Art 332(232)(P); or cons instr; or grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 432G Woven Structure II
3 cr. Undergraduate/Graduate.
Continuation of ART 332. Further development of individual concepts in weaving leading to a cohesive body of work.
Prerequisites: Jr st, & Art 332(232)(P); or cons instr; or grad st.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 433 Digital Imaging for Fabric
3 cr. Undergraduate/Graduate.
Digital processes and screen-printing on textiles with an emphasis on individual expression.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Last Taught: Fall 2015, Fall 2012.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 433G Digital Imaging for Fabric
3 cr. Undergraduate/Graduate.
Digital processes and screen-printing on textiles with an emphasis on individual expression.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 434 Fibers III-Weaving
3 cr. Undergraduate/Graduate.
Individual research and execution of projects in various processes of weaving. Professional execution of work emphasized.
Prerequisites: jr st, Art 432(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 434G Fibers III-Weaving
3 cr. Undergraduate/Graduate.
Individual research and execution of projects in various processes of weaving. Professional execution of work emphasized.
Prerequisites: jr st, Art 432(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 435 Mixed Materials: Concept/Object
3 cr. Undergraduate/Graduate.
Individual research and execution of projects in various processes of non-loom fiber construction. Professional execution of work emphasized.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 435G Mixed Materials: Concept/Object
3 cr. Undergraduate/Graduate.
Individual research and execution of projects in various processes of non-loom fiber construction. Professional execution of work emphasized.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 436 Cloth Construction: Surface to Structure
3 cr. Undergraduate/Graduate.
Individual research and execution of projects in various processes of fabric printing and construction.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Last Taught: Spring 2018, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 436G Cloth Construction: Surface to Structure
3 cr. Undergraduate/Graduate.
Individual research and execution of projects in various processes of fabric printing and construction.
Prerequisites: jr st, & Admis to Art and Design prog, & Art 231(P); or cons instr; or grad st.
Last Taught: Spring 2018, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 438 Fiber Workshop:
3 cr. Undergraduate/Graduate.
A special topic course in fibers.
Prerequisites: See semester Schedule of Classes.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 438G Fiber Workshop:
3 cr. Undergraduate/Graduate.
A special topic course in fibers.
Prerequisites: See semester Schedule of Classes.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 441 Advanced Drawing Strategies I
3 cr. Undergraduate/Graduate.
Advanced investigation of drawing as an organizing tool for thought and personal image exploration. Students work with both assigned and independently-conceived problems.
Prerequisites: jr st & Admis to Art and Design prog, or grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 441G Advanced Drawing Strategies I
3 cr. Undergraduate/Graduate.
Advanced investigation of drawing as an organizing tool for thought and personal image exploration. Students work with both assigned and independently-conceived problems.
Prerequisites: jr st & Admis to Art and Design prog, or grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 442 Figure Drawing Explorations
3 cr. Undergraduate.
Focus on the human figure. Emphasis on personal interpretations in studio-based and outside assignments.
Prerequisites: jr st, admis to Art and Design prog, & Art 342(P).
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 443 Painting Strategies
3 cr. Undergraduate.
Emphasis on painting concepts, problem solving, research, construction strategies and development of personal direction.
Prerequisites: jr st, admis to Art and Design prog & Art 343(P); or 243(P) & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 444 Watercolor
3 cr. Undergraduate.
Continuation of Art 344. Greater emphasis on individual development and experimental use of the medium.
Prerequisites: Art 344(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 447 Reading Works of Art
3 cr. Undergraduate/Graduate.
Continuation of Art 347.
Prerequisites: jr st or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 449G Painting And Drawing Workshop:
1-3 cr. Undergraduate/Graduate.
A short term, special topic course in painting and drawing. Additional prerequisites may appear in the Schedule of Classes.
Prerequisites: jr st or writ cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 451 Special Topics in Photography:
3 cr. Undergraduate/Graduate.
Specific topic and additional prerequisites will appear in the Schedule of Classes each time the course is offered.
Prerequisites: jr st, Art 253(P), Art 350(P) & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 350(P) or Art 357(P) or Art 358(P); or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2016, Spring 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 452 Contemporary Issues in Photography
3 cr. Undergraduate/Graduate.
Addresses critical issues, theory, and practices surrounding contemporary photography and how photographers have worked to challenge, expand, and reinvent the medium.
Prerequisites: junior standing or greater and completion of one of the following: ART 350(P), ART 357(P), or ART 358(P); or consent of instructor.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 454G Narrative Photography
3 cr. Undergraduate/Graduate.
Investigation of contemporary and historical narrative strategies that range from documentary to tableau and move from single images to sequencing.
Prerequisites: junior standing or greater and completion of one of the following: ART 350(P), ART 357(P), or ART 358(P); or consent of instructor.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 454 Narrative Photography
3 cr. Undergraduate/Graduate.
Investigation of contemporary and historical narrative strategies that range from documentary to tableau and move from single images to sequencing.
Prerequisites: junior standing or greater and completion of one of the following: ART 350(P), ART 357(P), or ART 358(P); or consent of instructor.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 456 Advanced Digital Photography
3 cr. Undergraduate/Graduate.
Exploration of critical concepts through advanced digital color management, retouching, manipulation, compositing, image appropriation, and expanded media to include time-base media, emerging capture/output technologies and hybrid practices.
Prerequisites: jr st, Art 253(P) & Art 350(P) or Art 357(P); or Art 212(P) & Art 312(P); or Art 221(P) & Art 321(P), & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 350(P) or Art 357(P) or Art 358(P); or grad st; or cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 456G Advanced Digital Photography
3 cr. Undergraduate/Graduate.
Exploration of critical concepts through advanced digital color management, retouching, manipulation, compositing, image appropriation, and expanded media to include time-base media, emerging capture/output technologies and hybrid practices.
Prerequisites: jr st, Art 253(P) & Art 350(P) or Art 357(P), or Art 212(P) & Art 312(P); or Art 221(P) & Art 321(P), & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 350(P) or Art 357(P); or grad st; or cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 458 Photographic Materials and Processes
3 cr. Undergraduate/Graduate.
Exploration of experimental methods and aesthetics of the photograph as object from image capture to print, including darkroom manipulation, historical processes, hybrid practice, and alternative presentation strategies. Prereq: jr st, Art 253(P) & 350(P) or 358(P); or Art 291(P) & 391(P) or 392(P) or 393(P) or 394(P); or Art 212(P) & 312(P); & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 350(P) or 358(P) or 357(P); or grad st;
Current Offerings: https://catalog.uwm.edu/course-search/

ART 458G Photographic Materials and Processes
3 cr. Undergraduate/Graduate.
Exploration of experimental methods and aesthetics of the photograph as object from image capture to print, including darkroom manipulation, historical processes, hybrid practice, and alternative presentation strategies. Prereq: jr st, Art 253(P) & 350(P) or 358(P); or Art 291(P) & 391(P) or 392(P) or 393(P) or 394(P); or Art 212(P) & 312(P); & admis to Art & Design prog or Pre-Film/Film prog or Inter-Arts/IAT prog; or Photo minors with Art 350(P) or 358(P) or 357(P); or grad st;
Current Offerings: https://catalog.uwm.edu/course-search/

ART 459G Advanced Photography Workshop:
1-3 cr. Undergraduate/Graduate.
Advanced special topic workshop course in photography.
Prerequisites: jr st, admis to Art & Design prog, Pre-Film/Film prog, or Inter-Arts/IAT prog; or grad st; or cons instr. Additional prerequisites may be announced in the Schedule of Classes each time course is offered.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Fall 2015, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 459 Advanced Photography Workshop:
1-3 cr. Undergraduate/Graduate.
Advanced special topic workshop course in photography.
Prerequisites: jr st, admis to Art & Design prog, Pre-Film/Film prog, or Inter-Arts/IAT prog; or grad st; or cons instr. Additional prerequisites may be announced in the Schedule of Classes each time course is offered.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Fall 2015, Fall 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 461 Structural Fabrication/Assembled Objects
3 cr. Undergraduate.
Exploration of welding processes, wood-working techniques, and mixed media assemblage.
Prerequisites: jr st, admis to Art and Design prog & Art 261(P).
Last Taught: Fall 2010, Fall 2009, Fall 2008, Spring 2008.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 464 Contemporary Figure Sculpture
3 cr. Undergraduate.
Exploration and investigation of the human figure from live models. Includes study of anatomy and historical references.
Prerequisites: jr st, admis to Art and Design prog & Art 261(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 468 Advanced Sculptural Practices:
3 cr. Undergraduate/Graduate.
Advanced level course in specialized sculpture processes & skills.
Prerequisites: jr st & Art 368(P); or grad st. See Schedule of Classes for additional prereq.
Course Rules: May be retaken w/chg in topic to 15 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 468G Advanced Sculptural Practices:
3 cr. Undergraduate/Graduate.
Advanced level course in specialized sculpture processes & skills.
Prerequisites: jr st & Art 368(P); or grad st. See Schedule of Classes for additional prereq.
Course Rules: May be retaken w/chg in topic to 15 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 469 Sculpture Workshop:
1-3 cr. Undergraduate/Graduate.
A short term special topic workshop in sculpture. Specific topic and additional prerequisites may appear in the Timetable each semester.
Prerequisites: jr standing or writ cons instr.
Course Rules: May be retaken w/chg in topic to a 6 cr max.
Last Taught: Fall 2014, Fall 2013.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 469G Sculpture Workshop:
1-3 cr. Undergraduate/Graduate.
A short term special topic workshop in sculpture. Specific topic and additional prerequisites may appear in the Timetable each semester.
Prerequisites: jr standing or writ cons instr.
Course Rules: May be retaken w/chg in topic to a 6 cr max.
Last Taught: Fall 2014, Fall 2013.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 470 Metal Forming
3 cr. Undergraduate.
Development of technical competency in metal forming and angle raising through traditional and experimental processes. Four hours studio monitoring mandatory.
Prerequisites: admis to Art and Design prog & Art 271(P).
Last Taught: Spring 2016, Fall 2014, Fall 2012, Fall 2011.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 472 Color on Metal  
3 cr. Undergraduate.  
Exploration of surface enrichment through vitreous enamel on metal 
and other traditional and experimental coloration techniques. Four hours 
studio monitoring mandatory. 
**Prerequisites:** admits to Art and Design prog & Art 271(P).  
**Last Taught:** Spring 2019, Spring 2017, Spring 2015, Spring 2013.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 473 Special Topics in Jewelry and Metalsmithing:  
3 cr. Undergraduate.  
Specific topic and additional prerequisites will appear in Schedule of 
Classes each time the course is offered. Four hours studio monitoring 
mandatory. 
**Prerequisites:** admits to Art and Design prog & Art 271(P).  
**Course Rules:** May be retaken w/chg in topic to 12 cr max.  
**Last Taught:** Spring 2018, Fall 2016, Spring 2013, Fall 2012.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 474 Portfolio Development in Jewelry and Metalsmithing  
3 cr. Undergraduate/Graduate.  
Introduction to professional and academic portfolio preparation including 
a cohesive body of work, resume, artist statement, visual documentation 
and portfolio presentation. Four hours studio monitoring mandatory. 
**Prerequisites:** jr st & Admis to Art and Design prog; Art 371(P) or 372(P) 
or 378(P) or 470(P) or 472(P) or 473(P) or 478(P); or grad st & cons instr.  
**Course Rules:** May be retaken to 12 cr max.  
**Last Taught:** Spring 2019, Fall 2018.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 474G Portfolio Development in Jewelry and Metalsmithing:  
3 cr. Undergraduate/Graduate.  
Introduction to professional and academic portfolio preparation including 
a cohesive body of work, resume, artist statement, visual documentation 
and portfolio presentation. Four hours studio monitoring mandatory. 
**Prerequisites:** jr st & Admis to Art and Design prog; Art 371(P) or 372(P) 
or 378(P) or 470(P) or 472(P) or 473(P) or 478(P); or grad st & cons instr.  
**Course Rules:** May be retaken to 12 cr max.  
**Last Taught:** Spring 2019, Fall 2018.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 478G Digital Fabrication and Craft  
3 cr. Undergraduate/Graduate.  
Survey of fabrication methods with an emphasis on computer numeric 
controlled fabrication & exploration into digital fabrication & craft. Four 
hours studio monitoring mandatory. 
**Prerequisites:** Art 277(P) & 261; Art 277(P) & 271(P); Art 277(P) & 278; or 
grad st; or cons instr.  
**Last Taught:** Spring 2019, Fall 2018.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 477 Color on Metal  
3 cr. Undergraduate.  
Exploration of surface enrichment through vitreous enamel on metal 
and other traditional and experimental coloration techniques. Four hours 
studio monitoring mandatory. 
**Prerequisites:** admits to Art and Design prog & Art 271(P).  
**Last Taught:** Spring 2019, Spring 2017, Spring 2015, Spring 2013.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 478 Digital Fabrication and Craft  
3 cr. Undergraduate/Graduate.  
Survey of fabrication methods with an emphasis on computer numeric 
controlled fabrication & exploration into digital fabrication & craft. Four 
hours studio monitoring mandatory. 
**Prerequisites:** Art 277(P) & 261; Art 277(P) & 271(P); Art 277(P) & 278; or 
grad st; or cons instr.  
**Last Taught:** Spring 2019, Fall 2018.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 479 Jewelry and Metalsmithing Workshop:  
1-3 cr. Undergraduate/Graduate.  
Special topics workshop in jewelry and metalsmithing. 
**Prerequisites:** jr st, & Admis to Art and Design prog & Art 271(P); or grad 
st & cons instr.  
**Course Rules:** May be retaken w/chg in topic to 6 cr. max.  
**Last Taught:** Summer 2019, Summer 2018.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 479G Jewelry and Metalsmithing Workshop:  
1-3 cr. Undergraduate/Graduate.  
Special topics workshop in jewelry and metalsmithing. 
**Prerequisites:** jr st, & Admis to Art and Design prog & Art 271(P); or grad 
st & cons instr.  
**Course Rules:** May be retaken w/chg in topic to 6 cr. max.  
**Last Taught:** Summer 2019, Summer 2018.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 481 Ceramics Special Topics and Portfolio I  
3 cr. Undergraduate/Graduate.  
Advanced problem-solving working toward the development of a cohesive 
body of work in the ceramic medium. Exploration of special thematic 
topics. 
**Prerequisites:** jr st, & Admis to Art and Design prog & Art 281(P); or cons 
instr; or grad st & cons instr.  
**Last Taught:** Spring 2018, Fall 2017.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 481G Ceramics Special Topics and Portfolio I:  
3 cr. Undergraduate/Graduate.  
Advanced problem-solving working toward the development of a cohesive 
body of work in the ceramic medium. Exploration of special thematic 
topics. 
**Prerequisites:** jr st, & Admis to Art and Design prog & Art 281(P); or cons 
instr; or grad st & cons instr.  
**Last Taught:** Spring 2018, Fall 2017.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 482 Ceramics Special Topics and Portfolio II  
3 cr. Undergraduate/Graduate.  
Continuation of ART 481. Advanced problem solving and development of 
a cohesive body of work in the ceramic medium. Exploration of special 
thematic topics. 
**Prerequisites:** jr st, & Art 481(P); or grad st & cons instr.  
**Last Taught:** Spring 2018, Fall 2017.  
**Current Offerings:** https://catalog.uwm.edu/course-search/  

ART 482G Ceramics Special Topics and Portfolio II:  
3 cr. Undergraduate/Graduate.  
Continuation of ART 481. Advanced problem solving and development of 
a cohesive body of work in the ceramic medium. Exploration of special 
thematic topics. 
**Prerequisites:** jr st, & Art 481(P); or grad st & cons instr.  
**Last Taught:** Spring 2018, Fall 2017.  
**Current Offerings:** https://catalog.uwm.edu/course-search/
ART 483G Ceramics Special Topics and Portfolio III
3 cr. Undergraduate/Graduate.
Continuation of ART 482. Advanced problem solving and development of a cohesive body of work in the ceramic medium. Exploration of special thematic topics.
Prerequisites: jr st & Art 482(P); or grad st.
Last Taught: Fall 2017, Spring 2017.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 489 Ceramics Workshop:
1-3 cr. Undergraduate/Graduate.
A short-term special topic course in ceramics.
Prerequisites: jr st & writ cons instr.
Course Rules: May be retaken w/chg in topic to max of 6 cr.
Last Taught: Fall 2018, Spring 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 493 Advanced Digital Printmaking
3 cr. Undergraduate/Graduate.
An advanced studio course exploring digital media and traditional printmaking. Media/content focus to include array of relevant topics.
Prerequisites: jr st & Art 393(293)(P); or grad st; or cons instr.
Last Taught: Spring 2016, Spring 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 493G Advanced Digital Printmaking
3 cr. Undergraduate/Graduate.
An advanced studio course exploring digital media and traditional printmaking. Media/content focus to include array of relevant topics.
Prerequisites: jr st & Art 393(293)(P); or grad st; or cons instr.
Last Taught: Spring 2016, Spring 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 495 Advanced Printmaking:
3 cr. Undergraduate/Graduate.
Develop conceptual base of work and expand range of print skills with emphasis on color printing and combination print processes.
Prerequisites: jr st & ART 392(P), ART 393(P), ART 394(P), ART 396(P) or ART 398(P); or grad st; or cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 495G Advanced Printmaking:
3 cr. Undergraduate/Graduate.
Develop conceptual base of work and expand range of print skills with emphasis on color printing and combination print processes.
Prerequisites: jr st & ART 392(P), ART 393(P), ART 394(P), ART 396(P) or ART 398(P); or grad st; or cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 496 Sequence and Structure
3 cr. Undergraduate/Graduate.
Advanced studio course exploring the creation of sequential art and the development of visual narratives using experimental book structures as well as electronic media (web, multimedia).
Prerequisites: jr st & Art 291(P) or 253(P); or 221(228)(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 499 Study Abroad:
1-12 cr. Undergraduate/Graduate.
Studio and special problems designed to provide relevant course work for a study abroad program in the visual arts.
Prerequisites: jr st; acceptance in Study Abroad Prog.
Course Rules: May be retaken w/chg in topic to max of 12 cr.
Last Taught: Spring 2019, Summer 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 497 Study Abroad:
1-12 cr. Undergraduate/Graduate.
Studio and special problems designed to provide relevant course work for a study abroad program in the visual arts.
Prerequisites: jr st; acceptance in Study Abroad Prog.
Course Rules: May be retaken w/chg in topic to max of 12 cr.
Last Taught: Spring 2019, Summer 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 497G Study Abroad:
1-12 cr. Undergraduate/Graduate.
Studio and special problems designed to provide relevant course work for a study abroad program in the visual arts.
Prerequisites: jr st; acceptance in Study Abroad Prog.
Course Rules: May be retaken w/chg in topic to max of 12 cr.
Last Taught: Spring 2019, Summer 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 499 Advanced Printmaking Workshop:
3 cr. Undergraduate/Graduate.
Special topic course in Print and Narrative Forms.
Prerequisites: jr st; or grad st; or cons instr. Add'l prereqs may appear in Schedule of Classes each time course is offered.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2013, Summer 2012.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 499G Advanced Printmaking Workshop:
3 cr. Undergraduate/Graduate.
Special topic course in Print and Narrative Forms.
Prerequisites: jr st; or grad st; or cons instr. Add'l prereqs may appear in Schedule of Classes each time course is offered.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2013, Summer 2012.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 502 Undergraduate Classroom Assistantship in Art and Design
3 cr. Undergraduate.
Student classroom experience as an assistant to the course instructor in a closely-monitored mentoring situation.
Prerequisites: jr st & cons instr.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 505 BA Project
3 cr. Undergraduate.
BA students collect, organize, synthesize & present capstone project in public event.
Prerequisites: sr st, Art 604(C).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 507 Undergraduate Research Assistantship in Art and Design
1-3 cr. Undergraduate.
An opportunity for juniors and seniors to work collaboratively with an Art and Design faculty member on a specific and sustained research project.
Prerequisites: jr st & cons instr.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 509 Art & Design Seminar:
3 cr. Undergraduate/Graduate.
Topics and critical issues in the modern and/or contemporary field of art. Student research and written/oral reports required.
Prerequisites: jr st; & completion of Oral and Written Communication (OWC) Competency Part A GER, or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
General Education Requirements: OWC
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 509G Art & Design Seminar:
3 cr. Undergraduate/Graduate.
Topics and critical issues in the modern and/or contemporary field of art. Student research and written/oral reports required.
Prerequisites: jr st; & completion of Oral and Written Communication (OWC) Competency Part A GER, or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
General Education Requirements: OWC
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 522 Topics in Advanced Illustration:
3 cr. Undergraduate.
Advanced course exploring contemporary illustration: technologies for its creation, dissemination and viewing, its relationship to design and fine art practice.
Prerequisites: jr st & Art 322(P); or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 524 Professional Practice in Design:
3-6 cr. Undergraduate/Graduate.
Preparation for the design profession through research, writing and portfolio development. Graduate level requires additional research.
Prerequisites: jr st, Art 604(C); or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 524G Professional Practice in Design:
3-6 cr. Undergraduate/Graduate.
Preparation for the design profession through research, writing and portfolio development. Graduate level requires additional research.
Prerequisites: jr st, & Art 323(C); or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 526 Research in Universal Design and Fabrication
3 cr. Undergraduate/Graduate.
Exploration of topics focused on Human Factors in Universal Design.
Prerequisites: jr st; Art 221(P), 378(P), or 478(P); or grad st.
Course Rules: May be retaken w/chg in topic to 6 cr max. Counts as repeat of Art 427 with similar topic.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 526G Research in Universal Design and Fabrication
3 cr. Undergraduate/Graduate.
Exploration of topics focused on Human Factors in Universal Design.
Prerequisites: jr st; Art 221(P), 378(P), or 478(P); or grad st.
Course Rules: May be retaken w/chg in topic to 6 cr max. Counts as repeat of Art 427 with similar topic.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 528 Print Production and Presentation Techniques
3 cr. Undergraduate.
Introduction to aspects of design production including scheduling, budgeting, pre-press, paper selection, printing, digital files, vendor communication; digital and hand-assembled mock-ups will be produced.
Prerequisites: Art 221(228)(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 529 Design and Visual Communication III  
3 cr. Undergraduate/Graduate. 
Capstone course emphasizes a complete and comprehensive synthesis of design and visual communication through comprehensive studio projects developed for a graduate portfolio. 
Prerequisites: jr st, & grade of B- or better in Art 421(329)(P) & 6 cr (final 3 may be taken conc) Design and Visual Communication Expanded Studies (grade of C or better); or grad st & cons instr. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 529G Design and Visual Communication III  
3 cr. Undergraduate/Graduate. 
Capstone course emphasizes a complete and comprehensive synthesis of design and visual communication through comprehensive studio projects developed for a graduate portfolio. 
Prerequisites: jr st, & grade of B- or better in Art 421(329)(P) & 6 cr (final 3 may be taken conc) Design and Visual Communication Expanded Studies (grade of C or better); or grad st & cons instr. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 531 Senior Project in Fibers  
3 cr. Undergraduate. 
Further development of fiber investigations leading to a final project for BFA exhibition. 
Prerequisites: sr st & cons instr. 
Course Rules: May be retaken w/chg in topic to 6 cr max. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 539 Fibers-Independent Study  
1-6 cr. Undergraduate/Graduate. 
Individual program of supervised study for the advanced student in fibers. 
Prerequisites: jr st, Admis to Art and Design prog; or grad st, & cons instr. 
Course Rules: May be retaken w/chg in topic to 6 cr max. 
Last Taught: Spring 2018, Fall 2017. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 539G Fibers-Independent Study  
1-6 cr. Undergraduate/Graduate. 
Individual program of supervised study for the advanced student in fibers. 
Prerequisites: jr st, Admis to Art and Design prog; or grad st, & cons instr. 
Course Rules: May be retaken w/chg in topic to 6 cr max. 
Last Taught: Spring 2018, Fall 2017. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 541 Advanced Drawing Strategies II  
3 cr. Undergraduate/Graduate. 
Continuation of Art 441. Advanced investigation of drawing as an organizing tool for thought and personal image exploration. Students work on assigned and independently-conceived problems. 
Prerequisites: jr st & Art 441(P); or grad st. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 541G Advanced Drawing Strategies II  
3 cr. Undergraduate/Graduate. 
Continuation of Art 441. Advanced investigation of drawing as an organizing tool for thought and personal image exploration. Students work on assigned and independently-conceived problems. 
Prerequisites: jr st & Art 441(P); or grad st. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 542 Advanced Figure Drawing Explorations  
3 cr. Undergraduate/Graduate. 
Continuation of Art 442. Advanced focus on the human figure. Emphasis on personal interpretations in studio-based and outside assignments. 
Prerequisites: jr st; admis to Art and Design prog & Art 442(P); or grad st. 
Last Taught: Fall 2018, Fall 2017. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 542G Advanced Figure Drawing Explorations  
3 cr. Undergraduate/Graduate. 
Continuation of Art 442. Advanced focus on the human figure. Emphasis on personal interpretations in studio-based and outside assignments. 
Prerequisites: jr st; admis to Art and Design prog & Art 442(P); or grad st. 
Last Taught: Fall 2018, Fall 2017. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 543 Painting Studio  
3 cr. Undergraduate/Graduate. 
Advanced investigation of painting focused upon personal image exploration through independently conceived problems. 
Prerequisites: jr st; admis to Art and Design prog & Art 441(P), & 443(P); or grad st. 
Course Rules: May be retaken to 9 cr max. 
Last Taught: Spring 2019, Fall 2018. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 543G Painting Studio  
3 cr. Undergraduate/Graduate. 
Advanced investigation of painting focused upon personal image exploration through independently conceived problems. 
Prerequisites: jr st; admis to Art and Design prog & Art 441(P), & 443(P); or grad st. 
Course Rules: May be retaken to 9 cr max. 
Last Taught: Spring 2019, Fall 2018. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 552 Studio Practice and Research in Photography  
3 cr. Undergraduate/Graduate. 
Research and development of a body of photographic work. 
Prerequisites: sr st, admis to Photo prog, cumulative 2.67 GPA in photo curriculum, B- or better in Art 452 (P), & two of the following: 451(P), 454(P), 456(P), 458(P); or grad st; or cons instr. 
Last Taught: Spring 2019, Fall 2018. 
Current Offerings: https://catalog.uwm.edu/course-search/ 

ART 552G Studio Practice and Research in Photography  
3 cr. Undergraduate/Graduate. 
Research and development of a body of photographic work. 
Prerequisites: sr st, admis to Photo prog, cumulative 2.67 GPA in photo curriculum, B- or better in Art 452 (P), & two of the following: 451(P), 454(P), 456(P), 458(P); or grad st; or cons instr. 
Last Taught: Spring 2019, Fall 2018. 
Current Offerings: https://catalog.uwm.edu/course-search/
ART 553 Senior Project in Photography
3 cr. Undergraduate.
Further development of studio investigations leading to a final project for BFA Exhibition.
Prerequisites: sr st, grade of B- or better in Art 552(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 561 Conceptual Process, Sculptural Presence
3 cr. Undergraduate/Graduate.
Development of advanced concepts in contemporary sculpture.
Prerequisites: jr st; Admis to Art and Design prog; & Art 261(P), & 363(P); or 365(P); or 461(P); or 464(P); or grad st.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 561G Conceptual Process, Sculptural Presence
3 cr. Undergraduate/Graduate.
Development of advanced concepts in contemporary sculpture.
Prerequisites: jr st; Admis to Art and Design prog; & Art 261(P), & 363(P); or 365(P); or 461(P); or 464(P); or grad st.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 562G Environmental Sculpture and Installation
3 cr. Undergraduate/Graduate.
Development of sculptural work that incorporates the environment, integration of sculptural form, installation, and performance.
Prerequisites: jr st & Admis to Art and Design prog; Art 363(P) & 365(P), or 461(P), or 464(P), or 561(P); or grad st & cons instr.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 567 Senior Project in Sculpture
3 cr. Undergraduate.
Further development of independent sculpture investigations leading to a final project for BFA Exhibition.
Prerequisites: sr st & Art 561(P); or 562(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 575 Senior Project in Jewelry and Metalsmithing
3 cr. Undergraduate.
Research and create a cohesive body of work based on technical, aesthetic and conceptual explorations for BFA Exhibition.
Prerequisites: sr st & Art 371(P), 474 (P), & four of the following: 372(C), 378 (C), 470(C), 472(C), 473(C), 478(C); or cons instr.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 578 Research in Digital Fabrication and Craft:
3 cr. Undergraduate/Graduate.
Interdisciplinary research into digital fabrication, rapid prototyping and design.
Prerequisites: Art 478(P); or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 578G Research in Digital Fabrication and Craft:
3 cr. Undergraduate/Graduate.
Interdisciplinary research into digital fabrication, rapid prototyping and design.
Prerequisites: Art 478(P); or grad st; or cons instr.
Course Rules: May be retaken w/chg in topic to 6 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 583 Senior Project in Ceramics
3 cr. Undergraduate.
Further development of independent investigations in ceramics leading to a final project for BFA Exhibition.
Prerequisites: sr st & Art 482(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 584 Experimental Processes in Woodfiring II
3 cr. Undergraduate/Graduate.
Advanced research and further development of personal aesthetic in woodfiring. Leadership in supervising the firing process required.
Prerequisites: jr st, & Art 384(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 584G Experimental Processes in Woodfiring II
3 cr. Undergraduate/Graduate.
Advanced research and further development of personal aesthetic in woodfiring. Leadership in supervising the firing process required.
Prerequisites: jr st, & Art 384(P); or grad st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 591 Portfolio in Print and Narrative Forms
3 cr. Undergraduate/Graduate.
Introduction to professional and academic portfolio preparation including a cohesive body of work, resume, artist statement, professional writing samples, visual documentation and portfolio presentation.
Prerequisites: jr st; gr st; or cons instr.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 591G Portfolio in Print and Narrative Forms
3 cr. Undergraduate/Graduate.
Introduction to professional and academic portfolio preparation including a cohesive body of work, resume, artist statement, professional writing samples, visual documentation and portfolio presentation.
Prerequisites: jr st; gr st; or cons instr.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 595 Colloquium: Print and Narrative Forms
3 cr. Undergraduate/Graduate.
Imaging and hybrid forms in contemporary photographic, book arts, narrative forms and print work.
Prerequisites: jr st; or grad st; or cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Fall 2016, Spring 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 595G Colloquium: Print and Narrative Forms
3 cr. Undergraduate/Graduate.
Imaging and hybrid forms in contemporary photographic, book arts, narrative forms and print work.
Prerequisites: jr st; or grad st; or cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Fall 2016, Spring 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 597 Senior Project in Print and Narrative Forms
3 cr. Undergraduate.
Further development of studio investigations leading to a final project for BFA Exhibition.
Prerequisites: sr st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 603 Advanced Studio Practice
1-3 cr. Undergraduate/Graduate.
A special course open only to seniors and graduate students with written cons instr.
Prerequisites: sr st; writ cons instr.
Course Rules: May be retaken to max of 3 cr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 603G Advanced Studio Practice
1-3 cr. Undergraduate/Graduate.
A special course open only to seniors and graduate students with written cons instr.
Prerequisites: sr st; writ cons instr.
Course Rules: May be retaken to max of 3 cr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 604 Professional Practices
3 cr. Undergraduate.
Preparation for graduating seniors with skills needed for a career in the competitive field of art: resumes, grants, budgets, taxes.
Prerequisites: sr st; & successful completion of, or exemption from, a QL-A course, or cons instr.
General Education Requirements: QLB
Current Offerings: https://catalog.uwm.edu/course-search/

ART 605 BFA Exhibition
1 cr. Undergraduate.
Independent supervised preparation and exhibition in Art & Design to fulfill BFA degree requirements.
Prerequisites: sr st, enrol conc in an advanced studio course; or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 606 BFA Exhibition in Design
1 cr. Undergraduate.
Supervised preparation and exhibition in conjunction with Art 529 Graphic Design III to fulfill degree requirements.
Prerequisites: Art 421(P) & 529(C).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 608 Art and Design Internship
3-6 cr. Undergraduate/Graduate.
Provides structured opportunities for art students to earn credit for skills and professional experience gained working in galleries, museums, studios, arts organizations or art businesses.
Prerequisites: jr st & admis to Art and Design prog; or grad st & cons instr.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 608G Art and Design Internship
3-6 cr. Undergraduate/Graduate.
Provides structured opportunities for art students to earn credit for skills and professional experience gained working in galleries, museums, studios, arts organizations or art businesses.
Prerequisites: jr st & admis to Art and Design prog; or grad st & cons instr.
Course Rules: May be retaken to 6 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 609 Independent Reading and Research
1-3 cr. Undergraduate/Graduate.
Prerequisites: sr st & writ cons instr.
Course Rules: May be retaken/chg in topic to 9 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 609G Independent Reading and Research
1-3 cr. Undergraduate/Graduate.
Prerequisites: sr st & writ cons instr.
Course Rules: May be retaken/chg in topic to 9 cr max.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 612 Senior Project in Digital Studio Practice
3 cr. Undergraduate.
Further development of independent investigation in Digital Media, leading to a final project for BFA Exhibition.
Prerequisites: sr st & cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 621 The Design Group
3 cr. Undergraduate.
Development of advanced understanding of visual, theoretical, historical, professional and technical aspects of design practice through work with client(s).
Prerequisites: cons instr.
Course Rules: May be retaken to 6 cr max.
Last Taught: Spring 2011, Fall 2010.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 627 Design Seminar:
3 cr. Undergraduate/Graduate.
Role and responsibility of professional designer investigated. Topics may include contemporary trends and issues, design education, ethics, social activism, career opportunities.
Prerequisites: jr st; or grad st; or cons instr.
Last Taught: Fall 2017, Fall 2012.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 627G Design Seminar:
3 cr. Undergraduate/Graduate.
Role and responsibility of professional designer investigated. Topics may include contemporary trends and issues, design education, ethics, social activism, career opportunities.
Prerequisites: jr st; or grad st; or cons instr.
Last Taught: Fall 2017, Fall 2012.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 629 Graduate Graphic Design I
3 cr. Undergraduate/Graduate.
Individual research in graphic design.
Prerequisites: Art 529(P) or cons instr.
Last Taught: Fall 2013, Spring 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 629G Graduate Graphic Design I
3 cr. Undergraduate/Graduate.
Individual research in graphic design.
Prerequisites: Art 529(P) or cons instr.
Last Taught: Fall 2013, Spring 2011.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 643 Senior Project in Painting
3 cr. Undergraduate.
Further development of independent painting investigations leading to a final project for BFA Exhibition.
Prerequisites: sr st & Art 543(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 645 Painting and Drawing Critique
3 cr. Undergraduate/Graduate.
An advanced critique format course to investigate painting and drawing mediums. Students will develop and discuss conceptual, technical, and collective dialogue strategies.
Prerequisites: sr st or writ cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 645G Painting and Drawing Critique
3 cr. Undergraduate/Graduate.
An advanced critique format course to investigate painting and drawing mediums. Students will develop and discuss conceptual, technical, and collective dialogue strategies.
Prerequisites: sr st or writ cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 721 Design Thinking & Making
3 cr. Graduate.
Focus on design process: identify/define problems, communication modes, nature of representation, dimensions of context, solution assessment. Develop storytelling skills. Rapid prototyping, qualitative/ quantitative research, collaboration, co-design.
Prerequisites: grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 727 MA Thesis Seminar in Design Entrepreneurship + Innovation
3 cr. Graduate.
Seminar focused on theory and methods for graduate research in Design Entrepreneurship + Innovation.
Prerequisites: grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 753 Graduate Photography I
3 cr. Graduate.
Self-directed research in photography with involvement in group critiques.
Prerequisites: grad st.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 821 Collaborative Project in Design Entrepreneurship + Innovation
3 cr. Graduate.
Focus on collaboration and human-centered design practices, processes and activities including design thinking, research, iterative process, prototyping, and storytelling.
Prerequisites: grad st & Art 721(P); or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 827 MA Thesis Prep in Design Entrepreneurship + Innovation
1-3 cr. Graduate.
Supervision in support of MA Thesis Project separate from but in conjunction with students MA Thesis Committee.
Prerequisites: Art 727(P) & cons instr.
Course Rules: Retakable to 3 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 851 Graduate Photography II
3 cr. Graduate.
Continuation of Art 753.
Prerequisites: grad st; Art 753(P).
Current Offerings: https://catalog.uwm.edu/course-search/

ART 888 Candidate for Degree
0 cr. Graduate.
Available for graduate students who must meet minimum credit load requirements.
Prerequisites: graduate standing.
Course Rules: Fee for 1 cr assessed; credit counts toward credit load for Fin Aid and enrollment verification only. Repeatable. Satisfactory/ Unsatisfactory only.
Last Taught: Summer 2015, Fall 2006, Fall 2004.
Current Offerings: https://catalog.uwm.edu/course-search/
ART 909 Independent Reading and Research
1-4 cr. Graduate.
Independent reading and research relative to scholarly issues in art.
Prerequisites: grad st.
Course Rules: Retakable to 9 cr max.
Current offerings: https://catalog.uwm.edu/course-search/

ART 918 Advanced Research-InterMedia
1-4 cr. Graduate.
Independent work and research in combined media.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Current offerings: https://catalog.uwm.edu/course-search/

ART 929 Advanced Research-Design & Digital Media
1-4 cr. Graduate.
Individual work and research in design and digital media.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
Current offerings: https://catalog.uwm.edu/course-search/

ART 930 Advanced Research-Fibers
1-4 cr. Graduate.
Independent work and research in fibers.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Current offerings: https://catalog.uwm.edu/course-search/

ART 943 Advanced Research-Painting
1-4 cr. Graduate.
Independent work and research in painting/drawing.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Current offerings: https://catalog.uwm.edu/course-search/

ART 952 Advanced Research-Photography
1-4 cr. Graduate.
Independent work and research in photography.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
Current offerings: https://catalog.uwm.edu/course-search/

ART 961 Advanced Research - Sculpture
1-4 cr. Graduate.
Independent work and research in sculpture.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Last Taught: Spring 2019, Spring 2017, Fall 2016, Fall 2014.
Current offerings: https://catalog.uwm.edu/course-search/

ART 973 Advanced Research-Jewelry and Metalsmithing
1-4 cr. Graduate.
Independent work and research in jewelry and metalsmithing.
Prerequisites: grad st
Course Rules: Retakable to 21 cr max.
Current offerings: https://catalog.uwm.edu/course-search/
ART 989 Advanced Research-Ceramics
1-4 cr. Graduate.
Independent work and research in ceramics.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Last Taught: Fall 2017, Spring 2015, Fall 2014, Spring 2014.
Current Offerings: https://catalog.uwm.edu/course-search/

ART 994 Advanced Research-Printmaking
1-4 cr. Graduate.
Independent work and research in printmaking, bookmaking, and experimental narrative.
Prerequisites: grad st.
Course Rules: Retakable to 21 cr max.
Current Offerings: https://catalog.uwm.edu/course-search/