

Course Schedule - Fall 2008

Architecture

101 **Introduction to Architecture** credit: 3 hours.

An introduction to architecture, architectural education and the profession with emphasis on issues that influence architecture and the people and processes involved.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|----------------------------------|------------|
| 45560 | conference | ITA | 03:00 PM - 04:20 PM | TR | room 134 Temple Hoyne Buell Hall | Kaha, A |

199 **Undergraduate Open Seminar** credit: 1 to 5 hours.

May be repeated.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|-------------------|---------|---------------------|------|----------------------------------|-------------|
| 10337 | independent study | | ARRANGED | | | |
| 10337: Instructor Approval Required | | | | | | |
| 50324 | conference | CAD | 06:00 PM - 07:50 PM | R | room 134 Temple Hoyne Buell Hall | Mink, B |
| 50324: 2 hours | | | | | | |
| 36839 | conference | CHP | 03:00 PM - 04:50 PM | TR | room 315 Temple Hoyne Buell Hall | Warfield, J |
| 36839: 3 hoursCamp Honors/Chanc Schol course.Topic: Experiencing Architecture. For Chancellor's Scholars Only. Others may only enroll with the permission of the faculty member and the Director of the Campus Honors Program. | | | | | | |
| 36799 | conference | V | ARRANGED | | | |
| 36799: 4 hoursVersailles program students only. | | | | | | |

210 **Intro to the Hist of Arch** credit: 3 hours.

Visual and cultural analysis of selected buildings, urban spaces, and cities, from ancient Greece to modern times; emphasizes the architectural traditions of Western Civilization, especially as they affect the built environment of America and the Middle West. Prerequisite: Sophomore standing or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|-----------------------|---------|---------------------|------|-----------------------------|------------|
| 47631 | discussion-recitation | AD1 | 11:00 AM - 11:50 AM | F | room 102A Architecture Bldg | Minor, H |

| | | | | | | |
|-------|-----------------------|-----|---------------------|----|--------------------------------|----------|
| 47632 | discussion-recitation | AD2 | 11:00 AM - 11:50 AM | F | room 102B Architecture Bldg | Minor, H |
| 47633 | discussion-recitation | AD3 | 02:00 PM - 02:50 PM | F | room 102A Architecture Bldg | Minor, H |
| 47634 | discussion-recitation | AD4 | 01:00 PM - 01:50 PM | F | room 102B Architecture Bldg | Minor, H |
| 48001 | discussion-recitation | AD5 | 01:00 PM - 01:50 PM | F | room 102A Architecture Bldg | Minor, H |
| 48002 | discussion-recitation | AD6 | 02:00 PM - 02:50 PM | F | room 102B Architecture Bldg | Minor, H |
| 29940 | lecture | AL | 02:00 PM - 02:50 PM | MW | room 120 Architecture Bldg | Minor, H |

222 **Islamic Gardens & Architecture** credit: 3 hours.
Same as LA 222. See LA 222.

This course satisfies the General Education Criteria for a Hist&Philosoph Perspect, and Non-Western Cultures course.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|---------|---------|---------------------|------|-------------------------------------|------------|
| 52625 | lecture | | 09:30 AM - 10:50 AM | MW | room 325 Temple Hoyne Buell Hall | Ruggles, D |
| 52625: Hist&Philosoph Perspect, and Non-Western Cultures course. | | | | | | |

231 **Anatomy of Buildings** credit: 4 hours.
Introduction to building technology, materials and methods emphasizing integration of design and technology. Introduces buildings as a network of systems including space, structure and environmental controls operating within a larger context of environment and social function. Skills developed include analysis of building form and function, understanding of design/technology interrelationships, and communication of ideas through drawing. Prerequisite: ARCH 171.

Students must register for one lab and one lecture section.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|---|------------|
| 29944 | laboratory | AB1 | 10:30 AM - 11:50 AM | TR | room ARR Art-East Annex, Studio 1 | Taylor, M |
| 29941 | lecture | AL1 | 09:00 AM - 10:20 AM | TR | room 66 Library - Main | Taylor, M |

271 **Graphics for Architects** credit: 4 hours.
Introduction to architectural graphic communication skills that architects use to visualize, analyze, and record creative thoughts: 1) freehand sketching; 2) architectural delineation; and 3) digital applications.

Architecture majors and minor only.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|---|------------|
| 49267 | laboratory | AB1 | 08:30 AM - 11:50 AM | MW | room ARR Art-East Annex, Studio 1 | Hamlin, L |
| | laboratory | AB1 | 08:30 AM - 09:50 AM | F | room 134 Temple Hoyne Buell Hall | Hamlin, L |
| | laboratory | AB1 | 10:00 AM - 11:50 AM | F | room ARR Art-East Annex, Studio 1 | Hamlin, L |
| 50385 | laboratory | AB2 | 08:30 AM - 11:50 AM | MW | room ARR Art-East Annex, Studio 1 | Warren, A |
| | laboratory | AB2 | 08:30 AM - 10:50 AM | F | room ARR Art-East Annex, Studio 1 | Warren, A |
| | laboratory | AB2 | 11:00 AM - 11:50 AM | F | room 2 Education Bldg | Warren, A |

341 **Environment Tech HVAC** credit: 4 hours.

Study of the control of thermal environment, mechanical and related building sub-systems, and their integration into the overall building design. The specific topics include: thermal comfort and the behavioral implications; fundamentals of thermal behavior of buildings; the principles of heat and moisture in buildings; indoor air quality and "Sick Building Syndrome"; energy and sustainability implications of building design; and mechanical systems including HVAC and plumbing systems. Prerequisite: ARCH 231.

Students must register for one lab and one lecture section.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|--------------------------------|------------|
| 29952 | laboratory | AB1 | 08:00 AM - 09:20 AM | MW | room 20 Architecture Bldg | Strand, R |
| 31151 | laboratory | AB2 | 08:00 AM - 09:20 AM | MW | room 102A Architecture Bldg | Strand, R |
| 52205 | laboratory | AB3 | 08:00 AM - 09:20 AM | MW | room 20A Architecture Bldg | Strand, R |
| 29948 | lecture | AL1 | 08:00 AM - 09:20 AM | TR | room 120 Architecture Bldg | Strand, R |

342 **Environment Tech Ltg & Acoust** credit: 4 hours.

Study of the control of luminous and sonic environments, the supporting building systems, and their integration into the overall building design. Specific topics include: lighting fundamentals; light sources; effects of lighting on comfort and performance; lighting calculations and design; energy economy and sustainability; acoustic fundamentals; room acoustics; noise control; and basic electrical and sound systems. Prerequisite: ARCH 231.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|--------------------------------|------------|
| 29962 | laboratory | AB1 | 08:00 AM - 09:20 AM | TR | room 102A Architecture Bldg | Warfel, D |
| 31150 | laboratory | AB2 | 08:00 AM - 09:20 AM | TR | room 102B Architecture Bldg | Warfel, D |
| 29958 | lecture | AL1 | 08:00 AM - 08:50 AM | MWF | room 120 Architecture Bldg | Warfel, D |

351 **Statics & Dynamics** credit: 4 hours.

Study of equilibrium of rigid bodies in two and three dimensions; trusses; shear and bending moments in beams; arches and frames; cables; friction; introduction to dynamics; architectural applications. Prerequisite: MATH 220 and MATH 231 or PHYS 101.

Students must register for one lab and one lecture section.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|------------|---------|---------------------|------|--------------------------------|------------|
| 31370 | laboratory | AB1 | ARRANGED | | | Uihlein, M |
| 31370: Versailles program students only. | | | | | | |
| 31374 | lecture | AL1 | ARRANGED | | | Uihlein, M |
| 31374: Versailles program students only. | | | | | | |
| 31362 | laboratory | BB1 | 03:00 PM - 04:20 PM | TR | room 102A Architecture Bldg | Kansler, J |
| 39896 | laboratory | BB2 | 03:00 PM - 04:20 PM | TR | room 102B Architecture Bldg | Kansler, J |
| 39897 | laboratory | BB3 | 03:00 PM - 04:20 PM | TR | room 20 Architecture Bldg | Kansler, J |
| 48701 | laboratory | BB4 | 03:00 PM - 04:20 PM | TR | room 20A Architecture Bldg | Kansler, J |
| 31365 | lecture | BL1 | 01:30 PM - 02:50 PM | TR | room 120 Architecture Bldg | Kansler, J |

373 **Arch Design and the Landscape** credit: 5 hours.

The building in a landscape setting; creation of place; schematic building design and site planning issues, universal design and accessibility; principles of energy efficient building design; human-environment relationship issues; and architectural design and presentation methods; required field trips. Prerequisite: ARCH 272.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|---|---------------|
| 31351 | laboratory | E1 | 01:00 PM - 04:50 PM | MW | room ARR Art-East Annex, Studio 1 | Stallmeyer, J |

| | | | | | | |
|--|------------|----|---------------------|----|-----------------------------------|---------------|
| | laboratory | E1 | 01:00 PM - 02:50 PM | F | room 62 Krannert Art Museum | Stallmeyer, J |
| | laboratory | E1 | 03:00 PM - 04:50 PM | F | room ARR Art-East Annex, Studio 1 | Stallmeyer, J |
| 31352 | laboratory | E2 | 01:00 PM - 04:50 PM | MW | room ARR Art-East Annex, Studio 1 | Dearborn, L |
| | laboratory | E2 | 01:00 PM - 02:50 PM | F | room 62 Krannert Art Museum | Dearborn, L |
| | laboratory | E2 | 03:00 PM - 04:50 PM | F | room ARR Art-East Annex, Studio 1 | Dearborn, L |
| 31353 | laboratory | E3 | 01:00 PM - 04:50 PM | MW | room 300 Architecture Bldg | Erickson, K |
| | laboratory | E3 | 01:00 PM - 02:50 PM | F | room 62 Krannert Art Museum | Erickson, K |
| | laboratory | E3 | 03:00 PM - 04:50 PM | F | room 300 Architecture Bldg | Erickson, K |
| 31354 | laboratory | E4 | 01:00 PM - 04:50 PM | MW | room 300 Architecture Bldg | Larsen, J |
| | laboratory | E4 | 01:00 PM - 02:50 PM | F | room 62 Krannert Art Museum | Larsen, J |
| | laboratory | E4 | 03:00 PM - 04:50 PM | F | room 300 Architecture Bldg | Larsen, J |
| 41853 | laboratory | E5 | 01:00 PM - 04:50 PM | MW | room 300 Architecture Bldg | Niermann, M |
| | laboratory | E5 | 01:00 PM - 02:50 PM | F | room 62 Krannert Art Museum | Niermann, M |
| | laboratory | E5 | 03:00 PM - 04:50 PM | F | room 300 Architecture Bldg | Niermann, M |
| 48405 | laboratory | E6 | 01:00 PM - 04:50 PM | MW | room 300 Architecture Bldg | Larsen, J |
| | laboratory | E6 | 01:00 PM - 02:50 PM | F | room 62 Krannert Art Museum | Larsen, J |
| | laboratory | E6 | 03:00 PM - 04:50 PM | F | room 300 Architecture Bldg | Larsen, J |
| 31355 | laboratory | V | ARRANGED | | | Lapunzina, A |
| 31355: Versailles program students only. | | | | | | |

399 **Study in Versailles, France** credit: 0 hours.

Study in the University of Illinois Architectural Program at Versailles, France. Approved for S/U grading only. Prerequisite: Concurrent registration in the full-time program at Versailles through the Chicago or Urbana-Champaign Campus.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|------------|---------|----------|------|----------|--------------|
| 29967 | conference | V | ARRANGED | | | Lapunzina, A |
| 29967: Versailles program students only. | | | | | | |

400 **Senior Honors in Architecture** credit: 1 to 3 hours.
 For candidates for honors in architecture. Independent guided study and research in a selected area of architecture. 3 undergraduate hours. No graduate credit. (Summer session, 1 to 3 undergraduate hours). May be repeated to a maximum of 6 hours with consent of Director of School. Prerequisite: Senior standing in architecture, a University grade-point average of 3.0 or, in special cases, consent of Director of School.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------------------------------------|-------------------|---------|----------|------|----------|------------|
| 10340 | independent study | | ARRANGED | | | |
| 10340: Instructor Approval Required | | | | | | |

401 **Independent Study** credit: 0 to 4 hours.
 Independent guided study and investigation in a selected area of architecture. Approved for both letter and S/U grading. May be repeated. Prerequisite: Junior standing in architecture, written proposal approved by a sponsoring faculty member and the approval of the Director of the School.

Work may be taken in the following Architectural areas: Design, History, Theory, Structures, Practice and Technology.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|-------------------|---------|----------|------|----------|--------------|
| 10346 | independent study | | ARRANGED | | | |
| 10346: Instructor Approval Required | | | | | | |
| 31357 | conference | V | ARRANGED | | | Lapunzina, A |
| 31357: Versailles program students only. | | | | | | |

409 **Special Topics in French Arch** credit: 3 hours.
 Explores aspects of the architecture and urban design of France from antiquity until the present. May be repeated to a maximum of 6 hours. Prerequisite: ARCH 210.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-----|------|---------|------|------|----------|------------|
|-----|------|---------|------|------|----------|------------|

| | | | | | | |
|---|------------|---|----------|--|--|--|
| 48019 | conference | V | ARRANGED | | | |
| 48019: For Versailles Study Abroad Program students only. | | | | | | |

410 **Ancient Egyptian & Greek Arch** credit: 3 hours.

Architecture and urban design in the ancient Egyptian and Greek world from Predynastic Egypt through the Hellenistic period (ca. 3200-31 BC). Prerequisite: ARCH 210 or ARTH 111.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|---------|---------|---------------------|------|----------------------------|-------------|
| 29970 | lecture | L | 11:00 AM - 11:50 AM | MWF | room 119 David Kinley Hall | Senseney, J |

415 **Neoclass & Nineteen Cent Arch** credit: 3 hours.

Evolution of Continental and British architecture and urban planning from 1750 to World War I; includes some reference to American architecture of the same period. Prerequisite: ARCH 210 or ARTH 112, or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|---------|---------|---------------------|------|----------------------------|------------|
| 39899 | lecture | H | 04:30 PM - 05:50 PM | TR | room 120 Architecture Bldg | Kruty, P |

417 **Twentieth-Century Architecture** credit: 3 hours.

Developments in Western architecture and urban design from 1900 to the present; examines the rise of modernism in Europe and, after World War II; includes work in the United States, India, Japan, and Australia. Prerequisite: ARCH 210 or ARTH 112, or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|---------|---------|---------------------|------|-----------------------|------------|
| 43713 | lecture | T | 01:30 PM - 02:50 PM | TR | room W109 Turner Hall | Kruty, P |

423 **Soc/Beh Factors for Design** credit: 3 hours.

Research-oriented introduction to existing social and behavioral knowledge, methods, and tools for relating man to his physical and social environment, with implications for theories and a philosophy of architectural design. Prerequisite: Consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|-----------------------------|------------|
| 43714 | lecture-discussion | S | 09:30 AM - 10:50 AM | TR | room 102A Architecture Bldg | Anthony, K |

424 **Gender & Race in Contemp Arch** credit: 3 hours.

Analyzes how the built environment reflects social attitudes towards gender and race. Identifies the work of women and people of color in architecture and related disciplines as consumers, critics, and creators of the environment. Provides links with valuable professional networks in Chicago and elsewhere. Same as GWS 424. Prerequisite: Junior standing or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|--------------------------------|------------|
| 39900 | lecture-discussion | B | 05:00 PM - 06:20 PM | TR | room 210A Architecture Bldg | Anthony, K |

451 **Theory & Design Steel & Timber** credit: 4 hours.

Analysis and design of steel and timber structures for buildings. Steel columns, beams, trusses, connections, roof and floor framing systems; timber beams, columns, roof and floor framing systems. Prerequisite: ARCH 352.

Students must register for one lab and one lecture section.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|--------------------------------|----------------|
| 29980 | laboratory | AB1 | 09:30 AM - 10:50 AM | MW | room 102A Architecture Bldg | Aminmansour, A |
| 31148 | laboratory | AB2 | 09:30 AM - 10:50 AM | MW | room 102B Architecture Bldg | Aminmansour, A |
| 50159 | laboratory | AB4 | 09:30 AM - 10:50 AM | MW | room 20A Architecture Bldg | Aminmansour, A |
| 29984 | lecture | AL1 | 09:30 AM - 10:50 AM | TR | room 120 Architecture Bldg | Aminmansour, A |

452 **Theory of Reinforced Concrete** credit: 4 hours.

Concrete materials; behavior of reinforced concrete construction; behavior and design of structural elements, one-way slabs, beams, and girders; columns; ACI code requirements; and introduction to continuity in reinforced concrete structures. Prerequisite: ARCH 352.

Students must register for one lab and one lecture section.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|--------------------------------|------------|
| 29991 | laboratory | AB1 | 11:00 AM - 12:20 PM | MW | room 102A Architecture Bldg | Taylor, A |
| 31149 | laboratory | AB2 | 11:00 AM - 12:20 PM | MW | room 102B Architecture Bldg | Taylor, A |
| 29996 | lecture | AL1 | 11:00 AM - 12:20 PM | TR | room 161 Noyes Laboratory | Taylor, A |

471 **Fundamentals of Arch Design** credit: 6 hours.

Basic architectural design methods, fundamentals, principles and concepts including creative problem solving in two- and three-dimensions. Prerequisite: Limited graduate standing in Architecture (Track 3 Program).

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|------------|---------|---------------------|------|-------------------------------|------------|
| 46176 | laboratory | T3 | 08:30 AM - 11:50 AM | MWF | room 410 Architecture Bldg | Lewis, C |
| 46176: For Limited Standing Architecture Graduate Students only. | | | | | | |

475 **Arch Design & Development** credit: 6 hours.

Schematic design and development of a small-scale public building emphasizing the integration of the basic elements of building; materials, details, structure, technology, program, life safety, and universal design. Prerequisite: ARCH 374 or ARCH 472.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|-------------------------------|--------------|
| 36845 | laboratory | E1 | 01:00 PM - 04:50 PM | MWF | room 200 Architecture Bldg | Hammann, R |
| 36847 | laboratory | E2 | 01:00 PM - 04:50 PM | MWF | room 200 Architecture Bldg | Hinders, K |
| 36849 | laboratory | E3 | 01:00 PM - 04:50 PM | MWF | room 300 Architecture Bldg | Selby, R |
| 36851 | laboratory | E4 | 01:00 PM - 04:50 PM | MWF | room 200 Architecture Bldg | Murray, S |
| 36853 | laboratory | E5 | 01:00 PM - 04:50 PM | MWF | room 314 Architecture Bldg | Warfield, J |
| 36854 | laboratory | E6 | 01:00 PM - 04:50 PM | MWF | room 403 Architecture Bldg | Reifsteck, C |
| 36857 | laboratory | E7 | 01:00 PM - 04:50 PM | MWF | room 200 Architecture Bldg | Lerum, V |
| 48534 | laboratory | E8 | 01:00 PM - 04:50 PM | MWF | room 403 Architecture Bldg | Hicks, S |
| 48668 | laboratory | E9 | 01:00 PM - 04:50 PM | MWF | | Hutson, K |

476 **Arch Design & Exploration** credit: 6 hours.

Exploration of boundaries of architecture and the built environment. Focused exploration into specific design topics, such as issue-oriented building problems, urban design theory, intermediate building design and site planning theory, human-environment relationship theory, interdisciplinary design, and architectural design and presentation methods. Prerequisite: ARCH 475.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|-------------------------------|------------|
| 42615 | laboratory | E1 | 01:00 PM - 04:50 PM | MWF | room ARR Architecture Bldg | |

498 **Directed Research in Arch** credit: 4 hours.

Participation in on-going research projects which may include energy management, environmental perception, facilities development, building science, and other topics. May be repeated to a maximum of 8 hours. Prerequisite: Approval of written proposal by instructor and Director of School.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--------------------------------------|------------|---------|----------|------|----------|------------|
| 31375 | conference | A | ARRANGED | | | |
| 31375: Topic: Materials Research | | | | | | |
| 31376 | conference | BRC | ARRANGED | | | |
| 31378 | conference | EBR | ARRANGED | | | |
| 31378: Topic: Environment / Behavior | | | | | | |

499 **Off-Campus Study** credit: 0 to 12 hours.

Provides opportunity for approved off-campus study. Detailed proposal for study off campus must be submitted for approval to the appropriate committee in the School prior to such study. Final determination of credit and its application toward the degree is made after a review of the student's off-campus work by the above committee and the Director of School. Approved for both letter and S/U grading. Prerequisite: Senior or graduate standing in architecture and approval of program prior to registration.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|----------|------|----------|------------|
| 29990 | conference | A | ARRANGED | | | |

501 **Architectural Practice** credit: 4 hours.

Role of the architect in the building enterprise, professional ethics, and the conduct of professional practice; legal aspects of architectural practice and building construction; introduction of business management, marketing, operational procedures, financial planning, and cost control of architectural practices; and the administration of construction contracts. Prerequisite: Graduate standing or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|-------------------------------|-----------------------|
| 30001 | lecture-discussion | U | 03:00 PM - 04:20 PM | TR | room 120 Architecture Bldg | Barandino, R; Hall, G |

511 **Seminar in Ancient Arch** credit: 4 hours.

Seminar on topics in ancient architecture. Prerequisite: ARCH 410, or equivalent as determined by the instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|-----------------|-------------|
| 30004 | lecture-discussion | A | 05:00 PM - 07:50 PM | W | room 429 Armory | Senseney, J |

513 **Sem in Ren & Baroque Arch** credit: 4 hours.

Seminar on topics in European architecture from the fifteenth through the eighteenth centuries. Prerequisite: ARCH 413 and ARCH 414, or equivalent as determined by the instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|---------------------------------|------------|
| 43765 | lecture-discussion | R | 01:00 PM - 03:50 PM | R | room 17 Temple Hoyne Buell Hall | Minor, H |

518 **Recording Historic Buildings** credit: 3 hours.

Examines techniques for recording historic buildings and sites: measuring, photographing, and drawing to Historic American Building Survey standards; taking field notes and investigating public records to document reports. Prerequisite: ARCH 419 and demonstrated ability in architectural graphics; or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|----------------------------|------------|
| 30005 | lecture-discussion | A | 09:30 AM - 12:20 PM | F | room 301 Architecture Bldg | Kapp, P |

519 **Conserv of Building Materials** credit: 3 or 4 hours.

Examination, analysis, and pathologies of building materials and techniques for treatment and repair of historic buildings. Emphasis is on conservation of traditional masonry, concrete, and metals. Field trips and lab work. To receive 4 hours credit, students must participate in lab. Prerequisite: ARCH 419.

| CRN | Type | Section | Time | Days | Location | Instructor |
|----------------|--------------------|---------|---------------------|------|-----------------------------|------------|
| 30008 | lecture-discussion | T | 05:30 PM - 08:20 PM | W | room 102B Architecture Bldg | Jackson, M |
| 30008: 4 hours | | | | | | |

544 **Bldg Sys & Design Integration** credit: 3 or 4 hours.

Advanced course on building design for greater performance, including the study of: the anatomical and functional variations of building subsystems and their design implications; inter-system relationships and synergistic integration of building subsystems into the overall building; and the strategies for designing buildings of high functional performance and greater overall value. (Day-long Friday field trips and lab fee). Term paper is required for 4 hours credit. Prerequisite: Graduate standing in Architecture or consent of instructor.

Additional field trip fee, supply fee and materials fee required.

| CRN | Type | Section | Time | Days | Location | Instructor |
|----------------|--------------------|---------|---------------------|------|---------------------------------|------------|
| 30012 | lecture-discussion | D | 09:30 AM - 10:50 AM | MW | room 17 Temple Hoyne Buell Hall | Kim, M |
| 30012: 4 hours | | | | | | |

548 **Const Execution & Admin** credit: 4 hours.

Advanced course in construction with emphasis on acquiring knowledge and developing skills for successful project execution in a real-time project with numerous variables affecting the project outcome, including: devising methods and strategies for effective project execution; making decisions that can steer the project to the best possible direction; and skillfully mediating disputes and conflicts that might arise. For this purpose, on-going major construction projects are used as Learning Laboratories. May be repeated to a maximum of 8 hours. (Summer I credit: 1 graduate hour and Summer II credit: 2 graduate hours). Prerequisite: ARCH 501 and ARCH 545; or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|---------------------------------|------------|
| 31380 | lecture-discussion | A | 03:00 PM - 05:50 PM | T | room 17 Temple Hoyne Buell Hall | Kim, M |

551 **Structural Analysis** credit: 4 hours.

Advanced problems in the analysis of statically determinate structures; general theories and methods of analysis of statically indeterminate structures by geometric and energy methods; and introduction to theory of plastic design. Prerequisite: ARCH 451 and ARCH 452.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|----------------------------|------------|
| 30917 | laboratory | AB1 | 08:00 AM - 09:20 AM | TR | room 301 Architecture Bldg | Erwin, W |
| 30918 | lecture | AL1 | 08:00 AM - 09:20 AM | MW | room 301 Architecture Bldg | Erwin, W |

555 **Prestressed Concrete Design** credit: 3 hours.

Theory and design of prestressed concrete structures; and suspension shell structures. Prerequisite: ARCH 553 or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|----------------------------|------------|
| 30024 | lecture-discussion | PSC | 04:30 PM - 05:50 PM | TR | room 301 Architecture Bldg | Erwin, W |

558 **Structural Wood Design** credit: 3 hours.

Analysis and design of wood structures for buildings; response of wood buildings to gravity and lateral loads; design of structural elements: beams, columns, beam-columns, members in tension, and trusses using NDS specifications;

connections; plywood panels; diaphragms and shear walls. Prerequisite: ARCH 451 or equivalent.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|-------------------------------|------------|
| 43404 | lecture-discussion | W | 06:30 PM - 07:50 PM | MW | room 301 Architecture Bldg | Erwin, W |

560 **Advanced Structural Analysis** credit: 3 hours.

Advanced theory and analysis of statically indeterminate structures, recognizing effects due to temperature, settlement, and fabrication errors; matrix methods focusing on computer analysis techniques; introduction to plastic analysis and design. Prerequisite: ARCH 551.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|-------------------------------|------------|
| 30919 | lecture-discussion | E | 01:30 PM - 02:50 PM | TR | room 301 Architecture Bldg | Ali, M |

563 **Soc/Beh Research Designed Env** credit: 4 hours.

Introduction to methods and techniques of systematically generating social and behavioral information relevant to the programming, design, and evaluation of physical environments. Same as LA 563. Prerequisite: Graduate standing in architecture, landscape architecture, or urban and regional planning.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|--------------------------------|---------------|
| 36894 | lecture-discussion | C | 11:00 AM - 12:20 PM | TR | room 102A Architecture Bldg | Stallmeyer, J |
| 50294 | lecture-discussion | PHD | 11:00 AM - 12:20 PM | TR | room 102A Architecture Bldg | Stallmeyer, J |

571 **Architectural Design Studio** credit: 6 hours.

Design studies of intermediate size building types; planned communities; civic and social facilities at the community and urban scale; and collaboration among the several disciplines involved in planning the human habitat: urban planning, landscape architecture, sociology, and economics. Prerequisite: ARCH 476.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|--|--------------|
| 36861 | laboratory | E1 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Malnar, J |
| 36868 | laboratory | E2 | 01:00 PM - 04:20 PM | MWF | room 211 Temple Hoyne Buell Hall | Hemingway, E |
| 36872 | laboratory | E3 | 01:00 PM - 04:20 PM | MWF | room 205 Temple Hoyne Buell Hall | Armstrong, P |

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|-------|------------|----|---------------------|-----|----------------------------------|------------|
| 36865 | laboratory | E4 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Kapp, P |
| 36882 | laboratory | E5 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Plummer, H |
| 36887 | laboratory | E6 | 01:00 PM - 04:20 PM | MWF | room 201 Temple Hoyne Buell Hall | Poss, J |

572 Architectural Design Studio credit: 6 hours.

Research and individual comprehensive design study for a selected architectural project; special emphasis on site development and the integration of construction technology, structure, and environmental systems. Prerequisite: ARCH 571 or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|---------------------|------|----------------------------------|------------|
| 30034 | laboratory | E1 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Plummer, H |

573 Architectural Design Studio credit: 4 to 8 hours.

Definitive design thesis focusing on design issues and various building types with optional choices related to the student's particular interests, talents, and capacities. Prerequisite: ARCH 572 or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|----------------|------------|---------|---------------------|------|----------------------------------|------------|
| 36900 | laboratory | E1 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Anthony, K |
| 36900: 8 hours | | | | | | |
| 36915 | laboratory | E10 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Hubeli, R |
| 36915: 8 hours | | | | | | |
| 46349 | laboratory | E11 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Kansler, J |
| 46349: 8 hours | | | | | | |
| 50242 | laboratory | E12 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Kapp, P |
| 50242: 8 hours | | | | | | |
| 50243 | laboratory | E13 | 01:00 PM - 04:20 PM | MWF | room ARR | Larsen, J |

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|----------------|------------|-----|------------------------|-----|--|---------------|
| | | | PM | | Temple Hoyne Buell Hall | |
| 50243: 8 hours | | | | | | |
| 50244 | laboratory | E14 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Lerum, V |
| 50244: 8 hours | | | | | | |
| 50245 | laboratory | E15 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Lewis, C |
| 50245: 8 hours | | | | | | |
| 50246 | laboratory | E16 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Malnar, J |
| 50246: 8 hours | | | | | | |
| 50247 | laboratory | E17 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Murray, S |
| 50247: 8 hours | | | | | | |
| 51832 | laboratory | E18 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Selby, R |
| 51832: 8 hours | | | | | | |
| 51833 | laboratory | E19 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Stallmeyer, J |
| 51833: 8 hours | | | | | | |
| 36901 | laboratory | E2 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Armstrong, P |
| 36901: 8 hours | | | | | | |
| 51834 | laboratory | E20 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Taylor, M |
| 51834: 8 hours | | | | | | |
| 36902 | laboratory | E3 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Bognar, B |
| 36902: 8 hours | | | | | | |
| 36904 | laboratory | E4 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne | Dearborn, L |

| | | | | | | |
|----------------|------------|----|---------------------|-----|--|--------------|
| | | | | | Buell Hall | |
| 36904: 8 hours | | | | | | |
| 36905 | laboratory | E5 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Erickson, K |
| 36905: 8 hours | | | | | | |
| 36907 | laboratory | E6 | 01:00 PM - 04:20 PM | MWF | | Hammann, R |
| 36907: 8 hours | | | | | | |
| 36908 | laboratory | E7 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Hemingway, E |
| 36908: 8 hours | | | | | | |
| 36910 | laboratory | E8 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Hicks, S |
| 36910: 8 hours | | | | | | |
| 36912 | laboratory | E9 | 01:00 PM - 04:20 PM | MWF | room ARR Temple Hoyne Buell Hall | Hinders, K |
| 36912: 8 hours | | | | | | |
| 52786 | laboratory | T | 01:00 PM - 04:20 PM | MWF | | |
| 52786: 6 hours | | | | | | |

576 **Architectural Design Seminar** credit: 3 or 4 hours.

Presentations and discussions relative to various areas of architectural and environmental design concerns. May be repeated to a maximum of 12 hours. Prerequisite: ARCH 572 or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--|--------------------|---------|---------------------|------|------------------------------------|----------------------|
| 49720 | lecture-discussion | BB | 05:00 PM - 07:50 PM | T | room 102A Architecture Bldg | Bognar, B |
| 49720: 3 hours Japanese Architecture and Urbanism - Past and Present | | | | | | |
| 49723 | lecture-discussion | EH | 12:00 PM - 12:50 PM | MWF | room 17 Temple Hoyne Buell Hall | Hemingway, E |
| 49723: 3 hours design [FABRICATE] | | | | | | |
| 49721 | lecture-discussion | HH | 06:30 PM - 07:50 PM | MW | room 102A Architecture Bldg | Ali, M; Armstrong, P |

| | | | | | | |
|--|--------------------|----|---------------------|---|---------------------------------|-------------|
| 49721: 3 hours High-Rise and Habitat | | | | | | |
| 49725 | lecture-discussion | JM | 09:00 AM - 11:50 AM | T | room 17 Temple Hoyne Buell Hall | Malnar, J |
| 49725: 3 hours Sensory Response to the Built Environment | | | | | | |
| 51858 | lecture-discussion | JP | 09:30 AM - 12:20 PM | W | room 301 Architecture Bldg | Poss, J |
| 51858: 3 hours | | | | | | |
| 40267 | lecture-discussion | LD | 06:00 PM - 08:50 PM | T | room 102B Architecture Bldg | Dearborn, L |
| 40267: 3 hours Topic: Transformations of Vernacular Environments in the Era of Globalization | | | | | | |

591 **Spec Prob Arch Hist & Pres** credit: 2 to 12 hours.

Individual investigation of the work of particular architects, of specific buildings, and of the architecture of periods or regions; comparative studies; and aesthetic problems. May be repeated to a maximum of 12 hours. Prerequisite: Twelve hours of architectural history or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|----------------|------------|---------|----------|------|----------|------------|
| 52444 | conference | DFR | ARRANGED | | | Ruggles, D |
| 30041 | conference | SP | ARRANGED | | | |
| 30041: 2 hours | | | | | | |

593 **Spec Prob Arch Practice & Mgt** credit: 1 to 12 hours.

In-depth investigation of emerging issues and specific areas of research interest beyond what is covered in graduate courses of regular offering in the area of architectural practice and management. Students, as individuals or in groups, are expected to propose a research plan and methods for a specific topic of research interest in consultation with the instructor, and execute it under the guidance of the instructor through consultation on a regular basis. (Summer credit: 1 to 6 graduate hours). May be repeated in same and subsequent terms as topics vary to a maximum of 12 hours. Prerequisite: Advanced graduate standing and consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|------------|---------|----------|------|----------|------------|
| 31390 | conference | SP | ARRANGED | | | |

594 **Spec Prob Building Sci & Tech** credit: 1 to 12 hours.

In-depth investigation of emerging issues and specific areas of research interest beyond what is covered in graduate courses of regular offering in the area of building science technology. Students, as individuals or in groups, are expected to propose a research plan and methods for a specific topic of research interest in consultation with the instructor, and execute it under the guidance of the instructor through consultation on a regular basis. May be repeated to a maximum of 12 hours. (Summer credit: 1 to 2 graduate hours). Prerequisite: Advanced graduate standing and consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|----------------|------------------------|---------|---------------------|------|------------------------------------|-------------|
| 51835 | conference | PH1 | 01:00 PM - 02:20 PM | R | room 102A Architecture Bldg | Strand, R |
| 51835: 1 hours | | | | | | |
| 52836 | lecture- discussion | SD | 04:30 PM - 06:20 PM | R | room 102A Architecture Bldg | McCulley, M |
| 52836: 2 hours | | | | | | |
| 31401 | conference | SP | ARRANGED | | | Strand, R |
| 52823 | lecture- discussion | SUS | 04:30 PM - 06:20 PM | R | room 17 Temple Hoyne Buell Hall | Rose, W |
| 52823: 2 hours | | | | | | |

595 **Spec Prob Struct Theory & Des** credit: 2 to 12 hours.

Individual or group investigation and study in architectural engineering application; research in economy and design in correlation with architectural, mechanical, and structural requirements. May be repeated to a maximum of 12 hours. Prerequisite: Consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|---|------------|---------|---------------------|------|-------------------------------|----------------|
| 49262 | conference | EQ | 06:30 PM - 07:20 PM | TR | room 301 Architecture Bldg | Ali, M |
| 49262: 3 hours | | | | | | |
| 31402 | lecture | IN | 10:00 AM - 12:50 PM | F | room 24 Wohlers Hall | Aminmansour, A |
| 31402: 4 hours Topic: Integrated Design and Construction of Buildings | | | | | | |
| 31403 | conference | SP | ARRANGED | | | Ali, M |
| 31403: Instructor Approval Required Topic: Special Problems | | | | | | |

596 **Spec Prob Housing Env** credit: 3 to 6 hours.

Individual investigation or research in housing environments involving special issues such as energy conscious design, human-environmental relations, aesthetic theory, government policy, and cultural patterns. May be repeated to a maximum of 12 hours. Prerequisite: ARCH 572 or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-----------------------------------|------------|---------|----------|------|----------|------------|
| 30043 | laboratory | A | ARRANGED | | | Taylor, M |
| 30043: Topic: Individual Research | | | | | | |

597 **Spec Prob Arch Design** credit: 1 to 12 hours.

Individual investigation of building types and systems, aesthetic theories, design thesis programming and other problems in architectural design. May be repeated to a maximum of 16 hours. Prerequisite: ARCH 572 or consent of instructor.

| CRN | Type | Section | Time | Days | Location | Instructor |
|--------------------------------|------------|---------|----------|------|----------|-------------|
| 50790 | conference | JA | ARRANGED | | | |
| 50877 | conference | JS | ARRANGED | | | |
| 50270 | conference | KA | ARRANGED | | | Anthony, K |
| 41804 | conference | LD | ARRANGED | | | Dearborn, L |
| 50809 | conference | RH | ARRANGED | | | |
| 30044 | conference | SP | ARRANGED | | | |
| 30044: Topic: Special Problems | | | | | | |

599 **Thesis Research** credit: 0 to 16 hours.

Approved for S/U grading only. May be repeated to a maximum of 16 hours. Prerequisite: Consent of instructor and graduate program coordinator.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------------------------------------|-------------------|---------|----------|------|----------|------------|
| 10349 | independent study | | ARRANGED | | | |
| 10349: Instructor Approval Required | | | | | | |