

# Course Schedule - Spring 2005

## Architecture

### 171 **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. Course may not be repeated for credit.

CRN	Type	Section	Time	Days	Location	Instructor
30213	laboratory	GA	08:30 AM - 12:20 PM	MW	room ARR Flagg Hall	Rusch, A; Armstrong, P
	laboratory	GA	08:30 AM - 10:20 AM	F	room 134 Temple Hoyne Buell Hall	Rusch, A; Armstrong, P
	laboratory	GA	10:30 AM - 12:20 PM	F	room ARR Flagg Hall	Rusch, A; Armstrong, P

### 199 **Undergraduate Open Seminar** Credit: 1 to 5 hours.

(ARCH 199) May be repeated.

CRN	Type	Section	Time	Days	Location	Instructor
10337	independent study		ARRANGED			
10337: Instructor Approval Required						
30218	conference	V	ARRANGED			Lapunzina, A
30218: 1 hours For Versailles program students only.						

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

(ARCH 210) 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
30223	lecture	E	01:30 PM - 02:50 PM	MW	room 134 Temple Hoyne Buell Hall	Kruty, P

### 215 **Buildings, Land and Culture** Credit: 3 hours.

(ARCH 215) Same as LA 215. See LA 215.

CRN	Type	Section	Time	Days	Location	Instructor
35303	lecture-discussion	A	09:30 AM - 10:50 AM	TR	room 134 Temple Hoyne Buell Hall	Ginsburg, R

**232 Construction of Buildings** Credit: 4 hours.

(ARCH 232) Second course in building science and technology with emphases on the process of project execution from the initiation of design to the completion of construction. Includes comprehensive study of the construction of buildings and their systems, materials and methods, and their implications on building sustainability and design decision-making. Prerequisite: ARCH 231 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30225	laboratory	AB1	08:00 AM - 09:20 AM	TR	room ARR Architecture Bldg	Elvin, G
30226	lecture	AL1	11:00 AM - 12:20 PM	TR	room ARR Architecture Bldg	Elvin, G

**272 Strategies of Arch Design** Credit: 4 hours.

Integration of formal principles with functional fundamentals of architectural design; functional vocabulary, principles, and concepts of architectural design; introduction to precedent study and analysis; skills development in sketching, drafting, rendering, layout, and modeling; and creative problem-solving in 2- and 3-dimensional exercises. Prerequisite: ARCH 101 and ARCH 171.

For Architecture students only.

CRN	Type	Section	Time	Days	Location	Instructor
30214	laboratory	A	08:30 AM - 12:20 PM	MW	room ARR Flagg Hall	Hinders, K
	laboratory	A	08:30 AM - 10:20 AM	F	room ARR Flagg Hall	Hinders, K
	laboratory-discussion	A	10:30 AM - 12:20 PM	F	room 134 Temple Hoyne Buell Hall	Hinders, K

**300 Ind Studies in Urban Design** Credit: 3 hours.

(ARCH 300) The individual study of selected topics involving the history, design, and function of significant European cities. Prerequisite: One year of history of architecture or Art History; consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30250	conference	V	ARRANGED			Lapunzina, A

30250: Versailles program students only.

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

(ARCH 241) 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.

Students must register for one lab and one lecture section.

CRN	Type	Section	Time	Days	Location	Instructor
30227	laboratory	AB1	09:30 AM - 10:50 AM	MW	room ARR Flagg Hall	Strand, R
30229	lecture	AL1	09:30 AM - 10:50 AM	TR	room 62 Krannert Art Museum	Strand, R

### 342 *Environment Tech Ltg & Acoust* Credit: 4 hours.

(ARCH 242) 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.

CRN	Type	Section	Time	Days	Location	Instructor
30231	laboratory	AB1	09:30 AM - 10:50 AM	MW	room 102A Architecture Bldg	Boubekri, M
30233	laboratory	AB2	09:30 AM - 10:50 AM	MW	room 102B Architecture Bldg	Boubekri, M
30234	lecture	AL1	09:30 AM - 10:50 AM	TR	room 120 Architecture Bldg	Boubekri, M

### 352 *Mech of Mat & Design Appl* Credit: 4 hours.

(ARCH 252) Study of stresses, strains, and deformations in axially loaded members; direct shear and bearing stresses; torsion; beam stresses and deflections; stresses under combined loading; column buckling; design of structural members; introduction to statically indeterminate structures; architectural applications. Prerequisite: ARCH 351

CRN	Type	Section	Time	Days	Location	Instructor
30235	laboratory	AB1	01:30 PM - 02:50 PM	TR	room 102A Architecture Bldg	Wickersheimer, D
40287	laboratory	AB2	01:30 PM - 02:50 PM	TR	room 102B Architecture Bldg	Wickersheimer, D
40289	laboratory	AB3	01:30 PM - 02:50 PM	TR	room 301 Architecture Bldg	Wickersheimer, D
41518	laboratory	AB4	01:30 PM - 02:50 PM	TR	room ARR Flagg Hall	Wickersheimer, D

30236	lecture	AL1	03:00 PM - 04:20 PM	TR	room 120 Architecture Bldg	Wickersheimer, D; Aminmansour, A
30237	laboratory	BB1	ARRANGED			Wickersheimer, D; Krishnan, S
30237: Versailles program students only.						
30238	lecture	BL1	ARRANGED			Wickersheimer, D; Krishnan, S
30238: Versailles program students only.						

**374 Arch Design and the City** Credit: 5 hours.

Building in the community setting; creation of place; introductory urban design and site planning issues, including universal design and accessibility; human-built environment relationship issues; architectural design and presentation methods; required field trips. Prerequisite: ARCH 373.

CRN	Type	Section	Time	Days	Location	Instructor
30241	laboratory	E1	01:30 PM - 05:20 PM	MW	room ARR Architecture Bldg	Malnar, J
	laboratory	E1	01:30 PM - 03:20 PM	F	room 134 Temple Hoyne Buell Hall	Malnar, J
	laboratory	E1	03:30 PM - 05:20 PM	F	room ARR Architecture Bldg	Malnar, J
30242	laboratory	E2	01:30 PM - 05:20 PM	MW	room ARR Architecture Bldg	Malnar, J; Bognar, B
	laboratory	E2	01:30 PM - 03:20 PM	F	room 134 Temple Hoyne Buell Hall	Malnar, J; Bognar, B
	laboratory	E2	03:30 PM - 05:20 PM	F	room ARR Architecture Bldg	Malnar, J; Bognar, B
30244	laboratory	E3	01:30 PM - 05:20 PM	MW	room ARR Architecture Bldg	Malnar, J; Stallmeyer, J
	laboratory	E3	01:30 PM - 03:20 PM	F	room 134 Temple Hoyne Buell Hall	Malnar, J; Stallmeyer, J
	laboratory	E3	03:30 PM - 05:20 PM	F	room ARR Architecture Bldg	Malnar, J; Stallmeyer, J
30245	laboratory	E4	01:30 PM - 05:20 PM	MW	room ARR Architecture Bldg	Poss, J; Malnar, J
	laboratory	E4	01:30 PM - 03:20 PM	F	room 134 Temple Hoyne Buell Hall	Poss, J; Malnar, J
	laboratory	E4	03:30 PM - 05:20 PM	F	room ARR Architecture Bldg	Poss, J; Malnar, J
30248	laboratory	E5	01:30 PM - 05:20 PM	MW	room ARR Architecture Bldg	Malnar, J; Kamm, T

	laboratory	E5	01:30 PM - 03:20 PM	F	room 134 Temple Hoyne Buell Hall	Malnar, J; Kamm, T
	laboratory	E5	03:30 PM - 05:20 PM	F	room ARR Architecture Bldg	Malnar, J; Kamm, T
41572	conference	E6	01:30 PM - 05:20 PM	MW	room ARR Architecture Bldg	Andrejasich, M; Malnar, J
	conference	E6	01:30 PM - 03:20 PM	F	room 134 Temple Hoyne Buell Hall	Andrejasich, M; Malnar, J
	conference	E6	03:30 PM - 05:20 PM	F	room ARR Architecture Bldg	Andrejasich, M; Malnar, J
30246	laboratory	T3	ARRANGED	MWF	room ARR Architecture Bldg	Kamm, T
30246: For Track 3 Graduate Students only. Students must take ARCH 401, Section T3 concurrently.						
30247	laboratory	V	ARRANGED			Williamson, R; Lapunzina, A
30247: Versailles program students only.						

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

(ARCH 299) Study in the University of Illinois Architectural Program at Versailles, France. Prerequisite: Concurrent registration in the full-time program at Versailles through the Chicago or Urbana-Champaign Campus.

CRN	Type	Section	Time	Days	Location	Instructor
30249	conference	V	ARRANGED			Lapunzina, A
30249: Versailles program students only						

**400 Senior Honors in Architecture** Credit: 1 to 3 hours.

(ARCH 200) 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						
30222	conference	V	ARRANGED			Baumgartner, K
30222: Versailles program students only						

**401 Independent Study** Credit: 0 to 4 hours.

(ARCH 301) Independent guided study and investigation in a selected area of architecture. 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						
41998	conference	AL	ARRANGED			Lapunzina, A
41998: 3 hoursTopic: Undergraduate Seminar--Versailles. For Versailles program students only.						
30265	conference	AR	ARRANGED			Rusch, A
30257	conference	DET	09:30 AM - 10:50 AM	TR	room 17 Temple Hoyne Buell Hall	Poss, J
30257: 3 hoursTopic: Concept and Detail in Architecture						
30254	conference	HH	06:30 PM - 07:50 PM	MW	room 102A Architecture Bldg	Ali, M; Armstrong, P
30254: 3 hoursTopic: High-Rise and the Habitat						
30252	conference	JM	04:00 PM - 06:50 PM	T	room 205 Architecture Bldg	Malnar, J
30252: 3 hoursTopic: Sensory Response to the Built Environment						
40215	conference	KB	06:00 PM - 07:20 PM	MW	room 102B Architecture Bldg	Baumgartner, K
40215: 3 hoursTopic: 3d Modeling as a Method of Architectural Design Analysis.						
30256	conference	OA	05:00 PM - 07:50 PM	R	room 17 Temple Hoyne Buell Hall	Ataman, O
30256: 3 hoursTopic: Smart Architecture						
41999	conference	RW	ARRANGED			Williamson, R
41999: 3 hoursTopic: Undergraduate Seminar--Versailles. For Versailles program students only.						
30253	conference	SA	04:30 PM - 07:20 PM	T	room 102A Architecture Bldg	Deal, B
30253: Topic: Sustainable Design 3 or 4 hours credit.						
41981	conference	SK	ARRANGED			Krishnan, S
41981: 3 hoursTopic: Undergraduate Seminar--Versailles. Versailles program students only.						
41762	laboratory	T3	ARRANGED		room ARR Architecture Bldg	Kamm, T

41762: 1 hours For Track 3 Graduate Students only. Students must take ARCH 374, Section T3 concurrently.

30251	conference	V	ARRANGED			Williamson, R; Lapunzina, A
-------	------------	---	----------	--	--	--------------------------------

30251: 2 hours Topic: Versailles Program Seminar For Architecture Versailles Program students only.

**410 *Ancient Architecture* Credit: 3 hours.**

(ARCH 310) Architecture and urban design in ancient Egypt, Greece, and Rome. Prerequisite: ARCH 210, ARTH 111, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
39948	lecture	A	03:00 PM - 04:20 PM	TR	room 134 Temple Hoyne Buell Hall	Ousterhout, R

**414 *Baroque & Rococo Arch* Credit: 3 hours.**

(ARCH 314) Developments in architecture, urban design, and garden art in Italy, France, Germany, and England in the seventeenth and eighteenth centuries. Prerequisite: ARCH 210, ARTH 112, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30270	lecture	B	09:30 AM - 10:50 AM	MW	room 302 Architecture Bldg	Campagnol, G

**416 *Modern American Architecture* Credit: 3 hours.**

(ARCH 316) Development of American architecture and urban planning from the seventeenth century to the present. Prerequisite: ARCH 210, ARTH 112, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
39951	lecture	M	09:30 AM - 10:50 AM	MW	room 134 Temple Hoyne Buell Hall	Kruty, P

**419 *Historic Building Preservation* Credit: 3 hours.**

(ARCH 319) Introduces historic preservation: legal, financial, and administrative assistance, graphic examination of restored buildings and sites, and application of conservation technology.

CRN	Type	Section	Time	Days	Location	Instructor
30273	lecture-discussion	P	11:00 AM - 12:20 PM	TR	room 102B Architecture Bldg	Garner, J

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

(ARCH 351) 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
30275	laboratory	AB1	08:00 AM - 09:20 AM	MW	room 102A Architecture Bldg	Aminmansour, A
40209	laboratory	AB2	08:00 AM - 09:20 AM	MW	room 102B Architecture Bldg	Aminmansour, A
30277	lecture	AL1	08:00 AM - 09:20 AM	TR	room 120 Architecture Bldg	Aminmansour, A

#### 452 **Theory of Reinforced Concrete** Credit: 4 hours.

(ARCH 352) 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
30279	laboratory	AB1	11:00 AM - 12:20 PM	MW	room 102A Architecture Bldg	Aminmansour, A
40208	laboratory	AB2	11:00 AM - 12:20 PM	MW	room 102B Architecture Bldg	Aminmansour, A
30280	lecture	AL1	11:00 AM - 12:20 PM	TR	room 319 Gregory Hall	Aminmansour, A

#### 475 **Arch Design & Development** Credit: 6 hours.

(ARCH 371) Intermediate building and environmental design; issue-oriented building problems; urban design theory; intermediate building design and site planning theory; human-environment relationships theory; and architectural design and presentation methods. 6 undergraduate hours. No graduate credit. Prerequisite: ARCH 374.

CRN	Type	Section	Time	Days	Location	Instructor
30289	laboratory	E1	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Ataman, O; Anthony, K

#### 476 **Arch Design & Exploration** Credit: 6 hours.

(ARCH 372) Schematic design, design development, and construction documents of a small scale (10,000 square feet) public building emphasizing the integration of the basic elements of building, structural, and environmental technologies. 6 undergraduate hours. No graduate credit. Prerequisite: ARCH 475; credit or concurrent registration in ARCH 341 and ARCH 342.

CRN	Type	Section	Time	Days	Location	Instructor
30290	laboratory	E2	01:30 PM - 05:50 PM	MWF	room ARR Architecture Bldg	Ataman, O; Anthony, K
30292	laboratory	E3	01:30 PM - 05:50 PM	MWF	room ARR Architecture Bldg	Anthony, K

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

(ARCH 398) 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. Students may register in different sections of this course to a maximum of 8 hours. Prerequisite: Approval of written proposal by instructor and Director of School.

CRN	Type	Section	Time	Days	Location	Instructor
30305	conference	A	ARRANGED			
30304	conference	BRC	ARRANGED			
41711	conference	LD	ARRANGED			Dearborn, L
41711: Topic: Investigating LEED standards in multi-family and affordable housing.						

**502 Structural Planning** Credit: 4 hours.

(ARCH 354) General problems in the selection and design of structural systems for buildings; methods of analysis; site explorations, soils, and foundations; bracing; and special systems. Prerequisite: ARCH 451 and ARCH 452

CRN	Type	Section	Time	Days	Location	Instructor
30284	laboratory	AB1	03:00 PM - 04:20 PM	TR	room 102B Architecture Bldg	Ali, M
30285	laboratory	AB2	03:00 PM - 04:20 PM	TR	room 102A Architecture Bldg	Ali, M
30287	lecture	AL1	04:30 PM - 05:50 PM	TR	room 120 Architecture Bldg	Ali, M

**511 Sem in Ancient & Medieval Arch** Credit: 4 hours.

(ARCH 411) Seminar on topics in ancient, early Christian, Byzantine, and Medieval Architecture. Prerequisite: ARCH 410, ARCH 411, or ARCH 412, or equivalent as determined by the instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30307	lecture-discussion	MA	05:00 PM - 06:50 PM	TR	room 210A Architecture Bldg	Ousterhout, R

**515 Arch Hist of Amer Communities** Credit: 2 or 4 hours.

(ARCH 415) Advanced historic study of the architectural design and aesthetics of individual buildings and their relationship to each other in selected small-scale American communities. Prerequisite: ARCH 416 or equivalent, and consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
39952	lecture-discussion	AC	02:00 PM - 04:50 PM	T	room 210A Architecture Bldg	Campagnol, G
39952: Topic: The City in South America						

**538 Econ Issues in Arch Develop** Credit: 4 or 6 hours.

(ARCH 438) Individual and team analysis of architectural development proposals addressing relevant economic topics and trends. Proposals are analyzed for development, construction, finance, operation, and sale costs. Potential and projected rate of return on investment is established for specific time periods. Economic and social forces impacting upon real estate values are examined. Prerequisite: ARCH 501, ARCH 530, and ARCH 534; or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30312	lecture-discussion	P	01:30 PM - 05:50 PM	MW	room ARR Temple Hoyne Buell Hall	McCulley, M

**545 Design & Constructability** Credit: 3 or 4 hours.

(ARCH 445) Advanced course on building design for greater constructability, including material alternatives and their architectural, performance, and construction implications; the implications of the specifics of design on the range of applicable construction methods, and therefore, on construction productivity and economy; and the strategies for designing buildings of high constructability and greater overall value. (Day-long Friday field trips and lab fee). Term paper is required for 4 hours credit. Prerequisite: ARCH 544 or consent of instructor.

Additional Field Trip Fee and Materials Fee Required.

CRN	Type	Section	Time	Days	Location	Instructor
30313	lecture-discussion	D	11:00 AM - 12:20 PM	MTWR	room 17 Temple Hoyne Buell Hall	Kim, M
30313: 4 hours						

**547 Architectural Practice Studio** Credit: 8 hours.

Comprehensive building design with emphasis on holistic design integration for optimum performance and constructability with best possible economy under the realistic temporal, technical, legal, and budgetary limitations. The projects, typically real ones, are executed through partial construction document phase through collaborative design by project teams. (Day-long Friday field trips). Prerequisite: ARCH 534, 545, and 546; or consent of instructor.

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

30314	laboratory	AB1	12:00 PM - 02:50 PM	TR	room 201 Temple Hoyne Buell Hall	Kim, M
	laboratory	AB1	04:30 PM - 05:50 PM	MWF	room 201 Temple Hoyne Buell Hall	Kim, M
30316	lecture	AL1	01:30 PM - 04:20 PM	MWF	room 17 Temple Hoyne Buell Hall	Kim, M

**550 Reinforced Concrete Design** Credit: 4 hours.

(ARCH 353) Selection, design, and comparison of reinforced concrete floor systems for buildings; study and design of columns and footings; and prestressed concrete. Prerequisite: ARCH 452

CRN	Type	Section	Time	Days	Location	Instructor
30282	lecture-discussion	B	09:30 AM - 10:50 AM	MTWR	room 301 Architecture Bldg	Erwin, W

**553 Adv Reinforced Concrete Design** Credit: 4 hours.

(ARCH 453) Critical review of the analysis, methods, and specifications involved in the design and behavior of reinforced concrete structures for buildings, including tall buildings, plates, and shells; computer applications. Prerequisite: ARCH 551; credit or concurrent registration in ARCH 560 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30320	lecture-discussion	D	11:00 AM - 12:20 PM	TR	room 301 Architecture Bldg	Ali, M

**555 Prestressed Concrete Design** Credit: 4 hours.

(ARCH 455) 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
39953	lecture	P	12:00 PM - 01:20 PM	MW	room 301 Architecture Bldg	Erwin, W; Aminmansour, A

**556 Advanced Structural Planning** Credit: 4 hours.

(ARCH 456) Study of the loads, functional and spatial requirements, and construction problems in the selection and design of structural systems for buildings; cost estimates; and integration of mechanical and electrical equipment. Prerequisite: ARCH 552 and ARCH 553; credit or concurrent registration in ARCH 554 and ARCH 555, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30321	laboratory	AB1	03:00 PM - 05:50	TR	room 410	Mitalski, M

			PM		Architecture Bldg	
30322	lecture-discussion	AE1	01:30 PM - 04:20 PM	W	room 410 Architecture Bldg	Aminmansour, A; Mitalski, M

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

(ARCH 373) 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
40168	laboratory	S	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Ataman, O; Plummer, H; Anthony, K; Dearborn, L; Aminmansour, A; Baumgartner, K
40168: Structures Option Students Only						

**572 *Architectural Design Studio*** Credit: 6 hours.

(ARCH 374) 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
30293	laboratory	E1	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Plummer, H
30295	laboratory	E2	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Plummer, H; Baumgartner, K
30297	laboratory	E3	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Plummer, H; Dearborn, L
30298	laboratory	E4	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Plummer, H; Deal, B
30300	laboratory	E5	01:30 PM - 05:50 PM	MWF	room ARR Temple Hoyne Buell Hall	Ataman, O; Plummer, H
30302	laboratory	E6	01:30 PM - 05:50 PM	MWF		Anthony, K
30303	laboratory	E7	01:30 PM - 05:50 PM	MWF		McCulley, M

**574 Architectural Design Studio** Credit: 4 to 8 hours.  
 (ARCH 472) Continuation of ARCH 573. Prerequisite: ARCH 573or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30325	laboratory	E1	01:30 PM - 05:50 PM	MWF	room ARR Architecture Bldg	Armstrong, P
30325: 8 hours						
42937	laboratory	E10	01:30 PM - 05:50 PM	MWF		Kamm, T
42937: 8 hours						
42938	laboratory	E11	01:30 PM - 05:50 PM	MWF		Plummer, H
42938: 8 hours						
42939	laboratory	E12	01:30 PM - 05:50 PM	MWF		Poss, J
42939: 8 hours						
42940	laboratory	E13	01:30 PM - 05:50 PM	MWF		Pyla, P
42940: 8 hours						
42941	laboratory	E14	01:30 PM - 05:50 PM	MWF		Riley, R
42941: 8 hours						
42942	laboratory	E15	01:30 PM - 05:50 PM	MWF		Selby, R
42942: 8 hours						
42929	laboratory	E2	01:30 PM - 05:50 PM	MWF		Anderson, J
42929: 8 hours						
42930	laboratory	E3	01:30 PM - 05:50 PM	MWF		Andrejasich, M
42930: 8 hours						
42931	laboratory	E4	01:30 PM - 05:50 PM	MWF		Anthony, K
42931: 8 hours						
42932	laboratory	E5	01:30 PM - 05:50 PM	MWF		Ataman, O
42932: 8 hours						
42933	laboratory	E6	01:30 PM - 05:50 PM	MWF		Baumgartner, K

			PM			
42933: 8 hours						
42934	laboratory	E7	01:30 PM - 05:50 PM	MWF		Deal, B
42934: 8 hours						
42935	laboratory	E8	01:30 PM - 05:50 PM	MWF		Dearborn, L
42935: 8 hours						
42936	laboratory	E9	01:30 PM - 05:50 PM	MWF		Hinders, K
42936: 8 hours						

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

(ARCH 476) 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
30326	lecture-discussion	HP	09:30 AM - 12:20 PM	F	room 210A Architecture Bldg	Plummer, H
30326: 4 hours Instructor Approval Required Topic: Theory of Light. Consent of instructor is required.						
30329	lecture-discussion	TK	01:30 PM - 04:50 PM	R	room 210A Architecture Bldg	Kamm, T
30329: 4 hours Topic: Exploring Contemporary Critical Practice						

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

(ARCH 491) 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
30330	conference	P	01:30 PM - 05:20 PM	MWF	room 408 Architecture Bldg	Garner, J
30330: 6 hours Topic: Preservation Design Thesis						
30331	conference	RES	09:30 AM - 12:20 PM	S	room ARR Architecture Bldg	Gordon, J
30331: 2 hours Topic: Building Restoration Techniques						

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

(ARCH 493) 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
40865	laboratory-discussion	DB	01:00 PM - 02:50 PM	TR	room ARR Architecture Bldg	Elvin, G
	laboratory-discussion	DB	01:30 PM - 05:50 PM	MW	room ARR Architecture Bldg	Elvin, G
: 7 hoursTopic: Design-Build Capstone						
30337	conference	MB	ARRANGED			Boubekri, M
30333	conference	SP	ARRANGED			
30333: Topic: Special Problems Architectural Practice and Management						

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

(ARCH 494) 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
30339	conference	K	ARRANGED			Kim, M
30339: Topic: Directed Research in Building Science and Technology						

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

(ARCH 495) 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
30342	conference	EQ	11:00 AM - 12:20 PM	TR	room 102A Architecture Bldg	Aminmansour, A; Mitalski, M
30342: 4 hoursTopic: Seismic Analysis and Design						
30341	conference	SP	ARRANGED			Ali, M; Aminmansour, A

30341: Topic: Special Problems

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

(ARCH 496) 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
30343	conference	A	ARRANGED			
30343: Topic: Individual Research						
30344	conference	LD	ARRANGED			Dearborn, L
30344: Topic: Professional Responses to the Residential Design Process						

**597 Spec Prob Arch Design** Credit: 3 to 12 hours.

(ARCH 497) 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
30346	conference	A	01:30 PM - 02:50 PM	TR	room 17 Temple Hoyne Buell Hall	Selby, R
30346: 3 hours Topic: Design Thesis Preparation						
30345	conference	Z	ARRANGED			
30345: Topic: Individual Research Topics						

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

(ARCH 499) May be repeated to a maximum of 16 hours. Approved for S/U grading only. Prerequisite: Consent of instructor and graduate program coordinator.

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