

ARCH - Architecture

ARCH 121IA. Introduction to Design. 3 Credits. (2 Lec) F,S,Su

PREREQUISITE: For majors and non-majors. Introduction to the design and creative process through global architecture and allied professions. Exploration of the history of design. Emphasis on 20th and 21st century architecture. Individual projects where students apply and explore creative process are required.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10287	001	May-start: 4x4	MTR	CHEEVE131	8:00am - 10:35am
2020 Summer Semester	10288	002	May-start: 4x4	W	CHEEVE131	8:00am - 10:35am

ARCH 151RA. Design Fundamentals I. 4 Credits. (2 Lec, 2 Lab)

A study of the creative design process with emphasis on two-dimensional design, basic three dimensional design concepts and introduction to the essential tools for graphic communication. Development of students' self-critical skills.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10310	001	June-start: 4x4	MTWR	CHEEVE145	12:10pm - 4:00pm

ARCH 152IA. Design Fundamentals II. 4 Credits. (3 Std, 1 Lec)

A study of the design process and methods employed by design disciplines as an introduction to architectonic principles, architectural graphic skills and further understanding of the creative process. Development of student's ability to make critical and analytical judgments.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10813	001	July-start: 4x4	MTWR	CHEEVE145	12:10pm - 4:00pm

ARCH 253. Architectural Design I. 5 Credits. (1 Lec, 4 Lab) F

PREREQUISITE: Successful Completion of ARCH 151RA and ARCH 152IA.

Small-scale design projects requiring integration of spatial, visual concepts, emphasizing relationship of architecture to its context with principles of order, constituents of form, light, structural awareness, nature of materials, architectural coherency. Includes inclusive orthographic graphics design drawing conventions.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10684	001	Full Semester	MTR	CHEEVE145	1:10pm - 5:00pm

ARCH 254. Architectural Design II. 5 Credits. (1 Lec, 4 Lab) S

PREREQUISITE: ARCH 253 Small to medium-size projects extending the development of the design process to site and adjacency analysis, diagramming, fundamental relationship to landscape and context. Topics include hybrid uses of hand and digital graphic communication including 2D and 3D drawing and modeling.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10685	001	Full Semester	MTR	CHEEVE145	1:10pm - 5:00pm

ARCH 355. Architectural Design III. 5 Credits. (1 Lec, 4 Lab) F,Su

PREREQUISITE: ARCH 254. Further exploration of ecologically-sound design with emphasis on the integration of structures, building envelope service systems, and building materials, including design for life safety and accessibility. Building scale and program complexity increases, utilizing long-span structural systems. Notebook computer required. Field trip required.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10686	001	Full Semester	MTR	CHEEVE145	1:10pm - 5:00pm

ARCH 356. Arch Design IV. 5 Credits. (1 Lec, 4 Lab) S

PREREQUISITE: ARCH 355. Advanced architectural design projects integrating site analysis, programming, building systems, and contemporary design theory. Emphasis placed on the inclusive synthesis of conceptual processes, analysis preliminary design investigation, and design development. Notebook computer required.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10799	001	Full Semester	MTR	CHEEVE145	1:10pm - 5:00pm

ARCH 414. Architectural Study Abroad. 9 Credits. (6 Lec, 3 Ind) F,Su
PREREQUISITE: ARCH 356. COREQUISITE: ARCH 428. Structured study in foreign countries under the direction of an architecture faculty member to obtain an understanding of modern and historical architecture and the forces shaping them. Holistic study of urban environments combines design, urban design, architectural history, drawing, and pre-travel design and research. Itineraries include opportunities for additional destinations and independent travel.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10528	001	Full Semester	-	-	-

ARCH 428. Foreign Study History. 3 Credits. (2 Lec, 1 Ind) F,Su

PREREQUISITE: ARCH 356. COREQUISITE: ARCH 414. An on-site study in a foreign country of the social, cultural, and historic influences on architectural design. This course is only offered in conjunction with the foreign study program within the School of Architecture. Course shall include research on-site visits documented in an appropriate media form.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10529	001	Full Semester	-	-	-

ARCH 431. Sustainability in Architecture. 3 Credits. (3 Lec) F,S,Su

PREREQUISITE: ARCH 332 and ARCH 356. Architectural and site strategies for reducing the energy footprint of structures and spaces with an emphasis on the profession's ethical responsibility and techniques that maximize the potential of active and passive design strategies to sustain our natural resources.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10801	801	Non-standard term dates 18-MAY-20 07-AUG-20	-	-	-

ARCH 450. Community Design Center. 5 Credits. (1 Lec, 4 Lab) F,Su

PREREQUISITE: ARCH 356. The CDC assists public and non-profit groups by providing planning, programming, and conceptual design ideas. Emphasis and scope of projects are determined by the community needs. Projects are intended to complement and promote the professional practice of architecture in the State of Montana.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11235	801	First Half Session	-	ONLINEWEB-	
2020 Summer Semester	11263	001	Full Semester	MTR	CHEEVE207	8:00am - 4:00pm

ARCH 451. Design for Community. 1-3 Credits. (3 Ind; 6 cr max) On Demand
PREREQUISITE: ARCH 355. Students will be engaged in architecturally-related activities with government and non-profit agencies. This will enable students to be involved in a service learning academic experience.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10697	001	July-start: 4x4	MTWR	CHEEVE125	8:00am - 10:35am

ARCH 457. Architectural Design V. 5 Credits. (1 Lec, 4 Lab) S,Su

PREREQUISITE: ARCH 356. Senior capstone course. Architectural design integrating building, landscape, and urban context using multi-story projects of medium scale and complexity with particular focus on mixed-use. Integrated topics include programming structural and mechanical integration, ecologically-sound design, building envelope systems and building codes.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10800	001	Full Semester	MTR	CHEEVE145	1:10pm - 5:00pm

ARCH 458. Arch Design VI. 5 Credits. (1 Lec, 4 Lab; 12 cr max) On Demand

PREREQUISITE: ARCH 356 A continuation of the holistic design synthesis encountered in ARCH 356 with emphasis on development of student's emerging design values and theoretical perspective. Field trip possible. Notebook computer required.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11363	001	Full Semester	-	-	-

ARCH 471. Directed Research/Creative Act. 1-6 Credits. (1-6 Ind; max unlimited) F,S,Su

COREQUISITE: ARCH 472. Directed research/creative activity which may culminate in a research paper, journal article, or design project. May be repeated.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10402	002	Full Semester	-	-	-
2020 Summer Semester	10413	003	Full Semester	-	-	-
2020 Summer Semester	10414	004	Full Semester	-	-	-
2020 Summer Semester	10212	001	Full Semester	-	-	-

ARCH 525. Special Design Topic. 3 Credits. (3 Lab; 12 cr max) F,S,Su

PREREQUISITE: Graduate standing or seniors by petition. Students will work under the direction of a faculty member in the research, design, development and presentation of a design, research, or historic preservation project. May be repeated as topics vary.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11265	801	First Half Session	-	ONLINEWEB-	-

ARCH 543. Advanced Applied Design and Construction. 3 Credits. (3 Lab; max 6 cr) On Demand

PREREQUISITE: Graduate standing or Seniors by petition. Small scale projects industrial products, furniture, buildings, etc., will be designed and built by students as an exploration of the opportunities and limitations of materials, technology, economics, and construction methods.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11264	801	First Half Session	-	ONLINEWEB-	-

ARCH 551. Advanced Arch Studio. 6 Credits. (4 Lab, 2 Stu) S,Su

PREREQUISITE: Graduate Standing. Design projects which explore specific critical positions with regard to contemporary architectural issues. Research and analysis of theoretical positions are emphasized along with the development of contemporary methods and techniques for analysis. Field trip required.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10415	001	Non-standard term dates 18-MAY-20 07-AUG-20	MTR	CHEEVE120	8:00am - 4:00pm

Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.