EVDA 682.02 Intermediate Studio
Fall 2014 (Full course)
(Mondays), Tuesdays, (Wednesdays), and Fridays, 14:00-18:00 hrs.
Instructors: Dr. Graham Livesey, livesey@ucalgary.ca, Coordinator
Prof. Vera Parlac, vera.parlac@ucalgary.ca
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Rooms: PF-2160, TBD

INTRODUCTION

This course is the third studio in the Master of Architecture Program sequence and examines scalar, systemic, and material aspects of ecosystems by addressing the design of a medium sized multi-purpose facility (5,000-10,000 m^2). For this year, the general themes of the studio are ecology, exhibition/research/production, and public space.

The impact that human constructions and infrastructures have had on global ecosystems (and vice versa) requires a comprehensive understanding of the material and technical complexity of built environments in order to reduce the consumption of vital resources and to respond to various environmental challenges. Courses, during this semester, focus on designs as reflexive ecological constructs produced within dynamic systems at multiple scales. The following topics will be introduced during the semester: materials and assemblies, structural systems concepts, medium sized building typologies, and environmental systems. This course operates with other courses during the semester including EVDA 613: Structures for Architects I, EVDA 617: Architectural Lighting Design, and EVDA 621: Introduction to Design Theories. The following CACB Student Performance Criteria will be covered in this course:

> Primary Level: A3: Graphic Skills; B1: Design Skills; B2: Program Preparation; B3: Site Design; B4: Sustainable Design; C1: Detailed Design Development.
> Secondary Level: B7: Structural Systems; B9: Building Envelopes; B11: Building Materials; C2: Building Systems Integration.

Note: students entering M1 from other institutions are required to take the Workshop Skills course with Craig Leblanc.

OBJECTIVES

1. To develop design skills through the execution of a small space and related infrastructure, and to develop the design of a medium sized project with a complex program.
2. To develop introductory knowledge of programming, materials and assemblies, building systems, and structural concepts.
3. To understand the concept that buildings are ecologies that participate in larger ecologies (flow systems), and to understand the role that technology plays in this interface.
4. To develop site design, graphic, concept design, and design development skills.

TEACHING APPROACH

In this studio there will be four sections, each covering the same basic material, but through different projects, sites, and pedagogical approaches (students will have the opportunity to select their section during the first class). Each instructor will provide detailed project descriptions throughout the semester. Guidance and feedback will be provided during desk, informal, and formal reviews. The work will be done individually (with some research work done in small groups). The studio will be process oriented, allowing students some latitude to develop their own design methodologies. A number of lectures will be given during the first part of the term.

Monday, September 8	Course Introduction Assignment of Studio Sections, Initial Assignments
Friday, October 3	Completion of Site Analysis, Programming and Concept Design Phase Introduce Space/Structures Charrette
Friday, October 10	Space/Structures Charrette Review
October 13-17	Block Week/Thanksgiving Holiday – No Classes
Tuesday, October 21	Assign Design Development
November 8-11	Reading Days/Remembrance Day – No Classes
Tuesday, November 18	Complete Design Development Introduce Construction/Object Charrette
Tuesday, November 25	Construction/Object Charrette Review Assign Final Requirements

December 5	Classes End
December 8-12	Final Reviews (To be determined)

COURSE EXPECTATIONS AND MEANS OF EVALUATION

Students will be expected to follow all assignments, to be present in studio on Tuesdays and Fridays (and as otherwise required by the schedule), and attend all lectures and reviews. Students will also be expected to read any assigned readings. Detailed project descriptions will be provided throughout the term by the various instructors. The following is the general breakdown of assignments:

Phase 1: Research, Site Analysis, Programming, Concept Design (4 weeks)	25%
Phase 2: Space/Structures Charrette (1 week)	10%
Phase 3: Design Development (4 weeks)	20%
Phase 4: Construction/Object Charrette (1 week)	10%
Phase 5: Final Design and Presentation (2 weeks)	25%
Phase 6: Final Portfolio	10%

READINGS

Refer to detailed project handouts and EVDA 621 Course Reader.

NOTES

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor.
2. It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. (http://www.ucalgary.ca/drc/node/46) Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.
3. Plagiarism - Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when:(a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),(b) parts of the work are taken from another source without reference to the original author,(c) the whole work (e.g., an essay) is copied from another source, and/or,(d) a student submits or presents work in one course which has also been submitted in another course(although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.
4. Information regarding the Freedom of Information and Protection of Privacy Act (http://www.ucalgary.ca/secretariat/privacy) and how this impacts the receipt and delivery of course material
5. Emergency Evacuation/Assembly Points (http://www.ucalgary.ca/emergencyplan/assemblypoints)
6. Safewalk information (http://www.ucalgary.ca/security/safewalk)
7. Contact Info for: Student Union (http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info); Graduate Student representative(http://www.ucalgary.ca/gsa/) and Student Ombudsman's Office (http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights).
8. Students will be expected to complete each of the course assignments. There will be no final exam. Students must obtain an overall passing grade to pass this course.
9. At the discretion of the instructor, assignments submitted after the deadline **may** be penalized with the loss of a grade (e.g.: A- to B+) for each day late. The following equivalencies (the University of Calgary has no official percentage scale system) will be used in calculating grades: **A+** (92.5-100); **A** (85-92.49); **A-** (80-84.99); **B+** (76-79.99); **B** (73-75.99); **B-** (70-72.99); **C+** (66-69.99); **C** (63-65.99); **C-** (60-62.99); **D+** (56-59.99); **D** (50-55.99); **F** (0-49.99).
10. A student who receives a "C^{+}" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on the transcript. Final grades will be reported as letter grades, with the final grade calculated according to a 4-point range. Assignments will be evaluated by percentage grades with their letter grade equivalents as shown.