SYLLABUS

IAD 3410 / 6410 Sustainability and LEED for Architecture + Design
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Office hours by appointment (please email for availability)

Reading Materials:
Required text: All required reading (the reader) is posted on Blackboard, which includes books and articles. You do not need to purchase the books unless you would like them for your own library. Please note - it is your responsibility to download and read all materials for class. The reader is a compilation of excerpts from the following books:

Blessed Unrest: How the Largest Movement in the World Came into Being and Why No One Saw It Coming
Hawken, Paul

Confessions of A Radical Industrialist: Profits, People, Purpose – Doing Business by Respecting the Earth
Anderson, Ray

Cradle to Cradle: Remaking the Way We Make Things
McDonough, William + Braungart, Michael

Design for Ecological Democracy
Hester, Randolph T.

Silent Spring
Carson, Rachel

Suggested text: Green Interior Design and Construction (LEED v4 Reference Guide)
U.S. Green Building Council

Study Bundle: Green Associate Study Guide and Core Concepts Guide
U.S. Green Building Council

LEED 2009 Green Associate Candidate Handbook
U.S. Green Building Council (free download; also posted on Blackboard)

Course Description:
This class will familiarize the student with sustainable design in regards to the built environment – from interiors to urban design - and its users as well as the introduction to the United States Green Building Council (USGBC) LEED (Leadership in Energy and Environmental Design) Rating System. Desired outcomes for this course also include awareness and understanding of sustainability as it relates to social issues and human welfare.

Instructor Course Objectives:
• Develop sensitivity and awareness of sustainability issues affecting the world on a macro and micro scale
• Encourage empowerment of self as a global and local citizen who can influence the environment every day through lifestyle choices and design
• Cultivate understanding of how the interior design profession has a profound impact on the sustainability movement
• Nurture a sense of social responsibility regarding the ‘other 99%’ and future generations that will inherit the planet

Course Objectives as established by the Council for Interior Design Accreditation (CIDA):
STANDARD 2: GLOBAL PERSPECTIVE FOR DESIGN
• Standard 2a (P): Student work demonstrates understanding of: the concepts, principles & theories of sustainability as they pertain to building methods, materials, systems & occupants.
• Standard 2c (S): Students understand how design needs may vary from different socio-economic populations.
• Standard 2d (S): The program exposes students to contemporary issues affecting interior design.
• Standard 2f (S): The program provides opportunities for developing knowledge of other cultures.
STANDARD 5: COLLABORATION
- Standard 5b (P): Students have awareness of team work structures and dynamics.
- Standard 5c (S): The program engages students in collaboration, consensus building, leadership, and team work.
- Standard 5d (S): The program includes learning experiences that engage students in interaction with multiple disciplines representing a variety of points of view and perspectives.

STANDARD 7: PROFESSIONAL AND BUSINESS PRACTICE
- Standard 7a (P): Students understand the contributions of interior design to contemporary society.
- Standard 7c (S): Students understand the elements of business practice (business development, financial management, strategic planning, and various forms of collaboration and integration of disciplines).
- Standard 7e (S): Students understand professional ethics.

STANDARD 8: HISTORY
- Standard 8a (S): Students understand the social, political and physical influences affecting historical changes in design of the built environment.

STANDARD 11: FURNITURE, FIXTURES, EQUIPMENT & FINISH MATERIALS
- Standard 11a (S): Students have an awareness of a broad range of materials and products.
- Standard 11c (P): Students select and apply appropriate materials and products on the basis of their properties and performance criteria, including ergonomics, environmental attributes and life cycle cost.

STANDARD 12: ENVIRONMENTAL SYSTEMS & CONTROLS
- Standard 12a (S): Students understand the principles of natural and electrical lighting design. (Examples include color, quality, sources, use, and control.)
- Standard 12e (S): Students understand the principles of thermal design. (Examples include mechanical system design, airflow, and occupant reaction to thermal variables.)
- Standard 12f (S): Students understand how thermal systems impact interior design solutions.
- Standard 12g (P): Students understand the principles of indoor air quality. (Examples include pollutant source control, filtration, ventilation variables, CO2 monitoring, mold prevention.)
- Standard 12h (P): Students understand how the selection and application of products & systems impact indoor air quality.

STANDARD 14: REGULATIONS
- Standard 14a (P): Students have an awareness of sustainability guidelines.
- Standard 14b (S): Students have an awareness of industry specific regulations.

Method of Instruction and Class Procedure:
The course will include lectures, guest speakers, researching of materials, group projects/assignments, field trip(s), student participation (discussions and in-class presentations), quizzes / short-answer essays. Projects will be handed out in class and/or posted on Blackboard.

It is the student’s responsibility to print out all assignments prior to class on the day the assignments are due. Unless requested, emailing of work will NOT be accepted unless otherwise requested by the instructor.

Grading System:
All assignments are due on the date noted on the course schedule or on each assignment sheet. Late submissions and grading of such work will follow the GW IAD Policies. All assignments account for 95% of the total grade and the remaining 5% are for professionalism. Letter grades with a 100 points and a plus-minus grading system will be used. The final grade is based upon the accumulated points from all assignments and will be determined by the following scale.

A = 93 to 100%
A- = 90 to 92%
B+ = 87 to 89%
B = 83 to 86%
B- = 80 to 82%
C+ = 77 to 79%
C = 73 to 76%
C- = 70 to 72%
D+ = 67 to 69%
D = 63 to 66%
D- = 60 to 62%
F = 59% and below
I = Incomplete
A  Exceptional
  The student demonstrates consistently superior levels of competency throughout the work. The work displays consistently outstanding levels of creativity, technical skills and personal challenge through concept application.

B  Commendable
  The student exceeds acceptable levels of competency in major areas and meets acceptable levels in others. The work demonstrates higher levels of creativity, technical skills and concept applications.

C  Competent
  The student work demonstrates an acceptable level of competency. The work demonstrates creativity, technical skills and concept application.

D  Deficient
  The student work demonstrates less than acceptable level of competency in major area of the work. The work demonstrates less than acceptable levels of creativity, technical skills and concept application.

F  Failure
  The student work demonstrates consistent levels of deficiency throughout the work indicating the student’s inability to implement the concept.

I grades for Incomplete are given at the discretion of the faculty member if a student is prevented from completing the semester’s work on time for reasons beyond the student’s control.

I grades may be given only if a student’s performance in the semester has been satisfactory (i.e., the student is currently passing the course) and the majority of the work for the course has already been completed.

In all cases in which an I is assigned, a contract between the student and the faculty member must be filed in the Departmental Office establishing the terms for completing the semester’s work.

If an I is an assigned, the instructor will submit a change of grade form to the appropriate dean’s office when the work is completed. The designation I will remain as part of the grade. Incompletes not completed within one calendar year from the end of the semester in which they are assigned will become IF.

Grading Rational:
Projects will be evaluated on the basis of independent thought process, design development, originality, and creativity, adherence to assignment requirements, quality of graphic and verbal presentations, organization, neatness and completeness. An evaluation for each project/assignment will explain the grading criteria. The instructor reserves the right to change/modify the outline below:

<table>
<thead>
<tr>
<th>Grading</th>
<th>% of grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professionalism</td>
<td>05</td>
<td>Attitude, Self Improvement, Conduct, Presentation of self, attending class on time, Participation</td>
</tr>
<tr>
<td>20 x 20: Indigenous Wisdom</td>
<td>25</td>
<td>Teams of two</td>
</tr>
<tr>
<td>Sustainable Materials Website</td>
<td>25</td>
<td>Teams of four</td>
</tr>
<tr>
<td>Sustainable Interiors / Architecture Book</td>
<td>25</td>
<td>Teams of four</td>
</tr>
<tr>
<td>Critiques/Analyses/Thoughts/Opinions</td>
<td>20</td>
<td>Individual</td>
</tr>
</tbody>
</table>

Total: 100

Additional Notes:
1. Food and drink will not be permitted in the classroom(s) at any time.
2. Turn off cell phones when you walk in the classroom door.
3. Class assignments are passed out during class; assignments will not be forwarded after class. The instructor reserves the right to change deadlines at any time.
4. Please note that your project may be kept for CIDA evaluation.
5. Points will be taken off for misspelling.
6. If you have any problems whatsoever, you must follow a specific protocol for its resolution. Please see instructor first before consulting with others. If the situation cannot be resolved with the instructor, the Program Director of the Interior Design will be notified.
7. Students are responsible for checking their GW email daily.
8. This class will use Blackboard. The instructor will notify students during the semester when assignments have been posted there. Since announcements/emails are sent automatically to the students’ GW email accounts, it will be the responsibility of the student to check their email every day for any announcements related to this course.
9. Please do not ask the instructor for entry into the Resource Room. It is your responsibility to print out or research during the times that the Resource Room is open.
10. Please do not send any assignments via email to the instructor unless specifically requested.
BIBLIOGRAPHY


