

IND3627 | Class 30356 | Section SUST | 3 Credits
Sustainable Interiors
Spring 2024

Instructor:	Lisa Platt, Ph.D., CSSBB, EDAC, LEED AP BD+C Assistant Professor Interior Design FIBER Research Faculty College of Design, Construction and Planning (DCP) University of Florida
Class Correspondence:	Phone: 352-294-1435 (Platt) Email: lisaplatt@ufl.edu Messaging through Canvas is preferred
Course Time & Location:	Mondays Period 9-10 4:05-6:00 Turlington, Room 2450 Wednesdays Period 9 4:05-4:55 Turlington, Room 2450
Course Co/Prerequisite:	IND 3216 (or) another course in the topic area and approved by the instructor
Final Exam Schedule:	N/A
Instructor:	Platt: Monday & Wednesday 2:00-3:00 OR By appointment at Architecture Building, room 334
Course Website:	https://ufl.instructure.com/ for modules, announcements, assignments, discussions, lecture slides, readings, practice quizzes, and grades

Course Description:

Sustainable design for interiors requires a suite of strategies and comprehensive frameworks for assessing contextual factors that contribute to both physical and mental wellbeing. In the realm of built environments sustainability serves as a guiding principle to ensure that spaces designed for work, healing, learning, and living is optimally supportive of the health of their occupants. An effective method for implementing salutogenesis in building design involves the understanding and application of validated sustainability and human wellness design benchmarking systems, exemplified by standards set by organizations such as the US Green Building Council' LEED, the WELL Building Institute, International Living Future Institute, BREEAM et al.

Within this experiential learning course, the LEED Interior Design and Construction (ID+C) 4, along with the WELL v2 standards, are employed to enrich students' competencies and

aptitudes in integrating design principles that promote human resilience and environmental sustainability in buildings. Through a combination of pedagogical instruction and practical hands-on assessment and application in actual built environments, students will acquire essential skills, equipping them to excel as effective communicators, critical thinkers, project managers, problem solvers, and collaborative team players in the realm of designing human-centered built environments. Furthermore, this course serves as a foundational knowledge base and a pathway for students aspiring to achieve LEED AP and WELL Accreditation.

Learning Objectives:

The learning objectives of this course are meant to ensure that graduates comprehend their responsibility in safeguarding the health, safety, and welfare of building occupants, as well as adhering to various regulatory entities that influence practice, with a specific focus on sustainable design. The anticipated learning outcomes of the course and their relationship to CIDA 2022 standards include the following:

1. Proficient navigation of LEED criteria and WELL standards for informing the design of interior environments (CIDA Standard 6 a-h)
2. Evaluation of critical aspects of interior design to achieve different tiers of sustainable building certification (CIDA Standard 16 b and c)
3. Understanding the significance of materiality, lighting, acoustics, and the integration of biophilia in attaining LEED or WELL building certification (CIDA Standards 7 a-e; 12 a-e; 13 a-e; 14 a-i; 16 b & e)
4. Effective communication of the value of sustainable design to clients.
5. How to prepare for the LEED Green Associate and WELL AP exams.

Class Sustainable Interiors Assessment Projects:



J. Wayne Reitz Union Student Center



George T. Harrell, M.D. Medical Education Building

The final project deliverable for this course will focus on the application of LEED ID+C and WELL v2 building standards to designated interiors within the Reitz Union and Harrell Medical Education buildings at the University of Florida campus. The primary goal of this assignment is to heighten student awareness regarding the implementation of LEED and WELL standards in commercial interiors. Additionally, the project aims to foster skill development in sustainable design and deepen students' practical knowledge of sustainable design principles.

Required Text/Reading:

- No textbook required
- LEED ID+ C information is available electronically at: <https://www.usgbc.org/leed/rating-systems/new-interiors>
- WELL Building Standards is available electronically: <https://v2.wellcertified.com/v/en/overview>
- International Living Future Institute Living Building Challenge: <https://living-future.org/lbc/basics4-0/>
- Fitwel <https://www.fitwel.org/fitwel-solutions>
- [United Nations, Sustainable Development Goals \(UN SDGs\).](#)
- Weekly readings assigned under each module on Canvas e- Learning portal.
- Students expected to complete readings as advance preparation for class discussion and exercise.

Course Format

Approach: The course approach uses didactic and applied learning. The Sustainable Interiors assessments will include actual on-campus buildings. The contexts of this assignment for the Spring 2024 semester will select interiors in the [Reitz Union](#) and the [Harrell Medical Education Building](#)

Delivery Method: The course encompasses a variety of instructional methods, including lectures, discussions, on-campus field trips, hands-on experiences, guest speaker sessions, collaborative team projects, presentations, and practice quizzes.

Course Website: <https://ufl.instructure.com/> The e-learning platform on Canvas for this course will serve as a comprehensive repository for all essential materials, encompassing readings, lecture slides, assignment instructions, practice quizzes, and announcements. All course materials will be made available prior to the commencement of the semester.

Communication: Beyond the classroom setting, the preferred modes of communication are through the CANVAS course site messaging or via email at lisaplatt@ufl.edu.

Featured Experts: Subject matter experts from the industry and research sector will deliver presentations to the class, underscoring the significance of the acquired skills and providing students with a valuable networking opportunity with industry leaders. Refer to the modules for more details.

Curriculum Content Access and Engagement: The Canvas e-learning platform will serve as the primary hub for all course-related communication, discussions, announcements, submitted assignments, papers, projects, videos, quiz delivery, and presentation materials.

Students are expected to:

- Regularly check the Canvas e-learning platform for weekly course materials and presentations.
- Configure and monitor Canvas messaging to receive important class announcements.
- Submit electronic assignments, papers, presentations, and videos through the designated Canvas submission channels.

Class Protocols

- Reading material: **Students must complete the reading before each class.**
- Students attend class prepared for active participation and discussion. A quality learning experience in this course relies heavily on interaction and exchange of ideas related to the sustainable built environment.
- **Students should plan to bring your computer to every class for coursework.**

- Using the computer in class for non-class related work is not acceptable.
- Cell phones use and texting during class is not allowed. In addition, leaving the class to take calls is not allowed except for an emergency.
- Attendance is required. Only excused absences can be made up. Excused absences include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, and professional conferences), military obligation, severe weather conditions, religious holidays, and participation in official university activities such as music performances, athletic competition, or debate. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) is excused. Absences must be properly documented, for example with a doctor's note.
- All assignments, credit submission, and presentations must be turned in on time; projects or assignments may be turned in early. If you will not be in class to turn the assignment in, even if it is an excused absence (e.g. studio field trip), you must turn the assignment in early. Any assignment turned in after it is due will incur a 10% from grade deduction for every day late (e.g. *assignment due Tuesday at 11:59 pm turned in at 12:00 am Wednesday counts as a full day late*).
- Requirements for class conduct and attendance in this course are consistent with university policies that can be found in the online catalog at: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>

Exams & Assignments

This course will not include formal quizzes or exams. Practice quizzes will be assessed to gauge student skill progression, graded as "Complete/Incomplete." Engagement in these practice quizzes will factor into the Class Participation grade. Individual student grades will be primarily determined by module-based assignments and the Final project.

Grading

Assignments	Instruction	Weight	Due date
Class Participation & Attendance	Individually based. Read assigned reading, attend class, complete practice quizzes, and participate in class and message board discussions.	20%	On Canvas. Refer to schedule.
Module PPT Assignments	Individually based. Complete assignment as instructed	20%	On Canvas. Refer to schedule.
Sustainable Interiors Project Assessment	Team based as assigned.	30%	On Canvas. Refer to schedule.
Sustainable Interiors Consultation Project & Presentation	Final Project	30%	April 21, 2022, at 11:59 pm

Grade Scale

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Numeric Grade	93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59
Quality Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0

See the following link to UF's grade policy:

<https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

Online course evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>

Disclaimer

This syllabus represents our current plans and objectives. As we go through the semester, those plans may need to change depending on unforeseen scheduling issues. Such changes, communicated clearly, are not unusual and should be expected.

Weekly Class Schedule

Week	Class #	Dates	Topic/Activity	Assignment Given
MODULE 1: Course Introduction				
1	1	1/8/24	Introduction to the course; Review of syllabus, CASNVAS site, schedule, grading, and	CANVAS: Discussion Board Introduction Create WELL Account Practice Quiz Assignment Due 1/9 /24
	2	1/10/24	Understanding the difference between sustainable design certification measures	Read LEED GA Handbook pp 9-17, WELL v2 overview Complete Discussion Board Assignment Due 1/16/24
MODULE 2: Getting started with LEED and WELL for Guiding Sustainable Interior Design				
2		1/15/24	Holiday No Class	
	3	1/17/24	Integrated Project Delivery LEED and WELL	Read USGBC LEED Rating System webpage and Why WELL webpage Complete Discussion Board Assignment Due 1/24/24
3	4	1/22/24	Understanding ESG and Sustainable Design	Read USGBC Green Building and ESG and WELL Investing for Health & ESG webpage Complete Discussion Board Assignment
	5	1/24/24	Guest Speaker- Advocating for sustainable designs with clients	Read LEED ID+C Guide pp 3-13 and WELL Community Concept webpage Practice Quiz Assignment Due 1/26/24
MODULE 3: Assessing Environments and Setting Sustainable Design Goals				
4	6	1/29/24	Identifying Sustainable Design Synergies	Read USGBC Synergies between LEED and SDGs and WELL Innovation and Pre-approved program page Review LEED and WELL Crosswalk Complete Discussion Board Assignment Due 1/30/24.
	7	1/31/24	Assessment project introductions	Assignment 1: Team Assignments and Project Preassessment Due 2/6/24
MODULE 4: Sustainable Water Use and Water Safety				
5	8	2/5/24	Designs that support Water Use and Safety	Read USGBC ID+C Guide WE Prerequisite & WE Credit pp 29-36 Review WELL Water Concept Complete Discussion Board Assignment Due 2/13/24
	9	2/7/24	Sustainable and Safe Water Assessment	Assignment 2: Sustainable and Safe Water Project Assessment PPT Due 2/13/24
MODULE 5: Energy, Thermal Comfort, and Indoor Environmental Quality (IEQ)				
6	10	2/12/24	IEQ Systems: Interior Environment Thermal Comfort and Energy Use	Read USGBC ID+C Guide EA pp.37-80 Review WELL Thermal Comfort Concept Complete Discussion Board Assignment Due 2/20/24.

	11	2/14/24	In Class: Sustainable Water Presentations and Discussion	<p>Assignment 3: Energy and Atmosphere and Thermal Comfort Assessment PPT (IEQ 1 of 2) Due 2/27/24</p>
7	12	2/19/24	IEQ Ux: Interior Design that Supports User Health Safety and Wellbeing	<p>Read USGBC ID+C Guide EQ pp.123-149 & p159 Review WELL Air and Sound Concepts Complete Discussion Board Assignment Due 2/27/24</p>
	13	2/21/24	Guest Speaker and IEQ Assessment	<p>Assignment 4: IEQ, Air and Acoustics Assessment PPT (IEQ 2 of 2) Due 2/27/24</p>
8	MODULE 6: Materiality			
	14	2/26/24	Understanding Material Selection Environmental Impact	<p>Read USGBC ID+C Guide MR pp.81-122 Read ILFI Living Product Challenge Basics Complete Discussion Board Assignment Due 3/5/24</p>
	15	2/28/24	In Class: IEQ Presentations and Discussion	<p>Assignment 5: Materiality Assessment PPT Due 3/19/24</p>
9	16	3/4/24	Understanding Material Selection Human Impact	<p>Review WELL Material Concept Read ILFI About the Red List Complete Discussion Board Assignment Due 3/19/24</p>
	17	3/6/24	HPD Session Review and Material Assessment	<p>Practice Quiz Completion Due 3/8/24</p>
10		3/11/24	No Class. Spring Break	
		3/13/24	No Class. Spring Break	
11	MODULE 7: Lighting			
	18	3/18/24	The impact of Lighting Design on Environmental Quality and User Experience	<p>Read USGBC ID+C Guide EQ pp.150-158 Review WELL Light Concept Complete Discussion Board Assignment Due 3/26/24</p>
	19	3/20/24	In Class: Materiality Presentations and Discussion	<p>Assignment 6: Lighting Assessment PPT Due 4/2/24</p>
12	20	3/25/24	Lighting Assessment and Site Visit to Harrell Medical Education Building	<p>Read BREEAM Health and wellbeing Hea 01 Visual Comfort Complete Discussion Board Assignment Due 4/2/24</p>
	21	3/27/24	Site Visit to Retz Union	<p>Practice Quiz Completion Due 3/29/24</p>

MODULE 8: Sustainable Furnishing Synergies				
13	22	4/1/24	Sustainable FF&E Selection and Specification	Review WELL Movement and Mind Concepts Complete Discussion Board Assignment Due 4/9/24
	23	4/3/24	In Class: Lighting Presentations and Discussion	Assignment 7: Furnishing Impact on Movement and Mind Assessment PPT Due 4/9/24
14	24	4/8/24	Contextual Use and Usage Review and Assessment	Read USGBC ID+C Guide LT pp.14-128 & RP 166 Review WELL Nourishment and Mind Concepts Practice Quiz Assignment Due 4/9/24
	25	4/10/24	In Class: Sustainable Furnishings Presentations and Discussion	Download Anaconda Practice Quiz Completion Due 4/12/24
MODULE 9: Communicating Sustainable Design Life Cycle and Cost Benefits to Clients				
15	26	4/15/24	Qualitative and Quantitative Methods for Communicating the Return on Investment to Clients (AI)	Read WBDG Life Cycle Cost Analysis Assess Machine Learning Results on Discussion Board Assignment Complete ROI Assessment for Client Presentation Due 4/19/24
	27	4/17/24	Final Presentation "Dress Rehearsal."	Fine Tune Presentations Due 4/21/24
16	28	4/22/24	Sustainable Design Assessment Client Presentations	Practice Quiz Completion Due 4/23/24
	29	4/23/24	Debrief, Sustainable CV and Portfolio References, and Exam Prep Discussion	Submit Class Assessments

HEALTH SAFETY

In response to endemic, epidemic, and pandemic illnesses, the following practices are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

- Vaccines are readily available at no cost and have been demonstrated to be safe and effective against viruses such as COVID-19 and Influenza. Visit this link for details on where to get your shot, including options that do not require an appointment: <https://shcc.ufl.edu/services/primary-care/immunizations/>
- If you are sick, stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms begin. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email covid@shcc.ufl.edu) to be evaluated for testing and to receive further instructions about returning to campus. UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the [UF Health Screen, Test & Protect website](#) for more information.
 - Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.
 - If you are withheld from campus by the Department of Health through Screen, Test & Protect you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.

COURSE POLICIES

Academic Integrity:

All students at the University of Florida are expected to adhere fully to University of Florida Student Honor Code, view at: <http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>. The Honor Code outlines the expectations for student conduct in regard to academic honesty. All students should review this policy to understand the range and scope of the standards and the seriousness of any infractions of the code. The policy places full responsibility on students to know and adhere to these standards for academic integrity. All examinations, quizzes, design projects, and assignments in the Department of Interior Design are subject to this policy. Maintaining strict academic integrity is a priority of the Department of Interior Design and all instructors will fully enforce the UF Honor Code in their studios and classes. A strict adherence to the Honor Code is expected by the University of Florida and reflects the ethical standards of the interior design profession.

Attendance & Participation:

Attendance is essential to the learning process. Students must be on time for each class session and present for the entire class to be marked present. The instructor must be notified in advance of any necessary absence in person or by email. Two absences will be tolerated without penalty. Each additional absence will result in the reduction of a course grade by one letter grade. More than six absences will automatically result in failing the course.

Classroom Climate:

Equitable participation in this class requires the use of inclusive language, methods, and materials. Students are expected to use inclusive language in written and oral work, and to respect diversity in viewpoints expressed by others. Students are also encouraged to identify language, methods, and materials used in this course that do not contribute to an inclusive classroom climate.

Laptops, Cell Phones, Tablets:

Students may bring mobile devices to class and use them during the period ***for course-related purposes only***. Students are not permitted for use during quizzes.

STUDENT IT SUPPORT SERVICES

For any technical issues you encounter with your course please contact the UF computing Help Desk at 342-392-HELP (4357), select option 2. For Help Desk hours visit: Information Technology–UF Computing Help Desk (<http://helpdesk.ufl.edu>).

Project Due Dates:

All assignments - completed or incomplete - must be turned in on the due date and will be graded as they stand. No projects will be accepted late. The right to make an exception will be reserved only in extreme cases (due to emergencies). In such cases, the instructor must be notified in advance by email. For the exception case, a delay of over one week will not be accepted.

Requirements for class attendance and make-up exams, assignments, and other work are consistent with university policies that can be found at

<https://catalog.ufl.edu/ugrad/1516/regulations/info/attendance.aspx>

Special Accommodations:

Students requesting classroom accommodation must first register with the Disability Resource Center at University of Florida Dean of Students Office, see

<http://www.dso.ufl.edu/drc/getstarted.php>. The Dean of Students Office will review the case and, if appropriate, provide documentation to the student who must then provide this documentation to the instructor when requesting an accommodation.

Student Work:

The Department of Interior Design reserves the right to retain any student work completed in the curriculum for accreditation purposes.

COURSE EVALUATIONS

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>.

Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>

SOFTWARE USE

All faculty, staff, and students at the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

STUDENT PRIVACY FOR ONLINE COURSES

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see:

<http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html>

Our class sessions may be audio visually recorded for students in the class to refer and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

CAMPUS RESOURCES:

Writing Studio

The writing studio is committed to helping University of Florida students meet their academic and professional goals by becoming better writers. Visit the writing studio online at <http://writing.ufl.edu/writing-studio/> or in 302 Tigert Hall for one-on-one consultations and workshops.

Mental Health, Safety and Wellbeing

U Matter, We Care:

If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or

<http://www.police.ufl.edu/>.

Academic Resources

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.

<https://www.crc.ufl.edu/>.

Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

<https://teachingcenter.ufl.edu/>.

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

<https://writing.ufl.edu/writing-studio/>.

Student Complaints Campus: https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf.

On-Line Students Complaints: <http://www.distance.ufl.edu/student-complaint-process>