

# The Art Institute of Seattle

## Course Syllabus

**Course Title:** INT301  
**Course Number:** Sustainable Design

**Course Description:** This course covers the principles and practices of the design of environmentally sensitive interior spaces. Topics may include HVAC, electrical and plumbing, as well as an overview of sustainable rating systems related to interior spaces.

**Course Length:** 11 weeks  
**Contact Hours:** 44 hours  
**Credit Value:** 3

### Quarter Credit Hour Definition:

A quarter credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

- (1) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for 10-12 weeks, or the equivalent amount of work over a different amount of time; or
- (2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, studio work, and other academic work leading to the award of credit hours.

### Course Competencies:

At the conclusion of this course the student should be able to:

1. Collaborate with other professionals in applying the knowledge and skills of the interior design profession.
2. Display an understanding of environmental ethics and the role of sustainability as they relate to the profession of interior design.
3. Utilize research methodology throughout the design process to acquire, assess, and apply collected data to interior design solutions and practice.
4. Select and coordinate furnishings, fixtures, equipment, and finishes related to specific aesthetic and functional solutions.
5. Assess how building and interior systems, structural conditions, materials, interior detailing, and environmental factors interact.
6. Create interior design solutions in accordance with applicable regulatory authorities.

**Course Prerequisites:** SCI205 Environmental Science

**Required textbook(s):** *Sustainable Design for Interior Environments*, Susan Winchip

**Required Supplemental Materials:** See Instructor's Syllabus Addendum

### Grading Scale:

All assignments must have clear criteria and objectives met. All students shall be treated equitably. It will be the student's right to know his/her grade at any reasonable point that information is requested by that

student. The criteria for determining a student's grade shall be as follows (on a percentage of total point's basis).

A	100-93
A-	92-90
B+	89-87
B	86-83
B-	82-80
C+	79-77
C	76-73
C-	72-70
D+	69-67
D	66-65
F	64 or below

**Method of Assessment:** See Instructor's Syllabus Addendum

**Attendance Policy:**

Students must notify the Registrar's Office if they will be missing two weeks of classes. After two consecutive weeks of absences in all courses students are subject to being administratively withdrawn from school, regardless of notification.

**Plagiarism:**

Students are expected to meet academic standards of honesty in all aspects of their work at The Art Institute of Seattle. All work submitted, including papers and projects, written and oral examinations, and oral presentations and reports, must be free of plagiarism. **Plagiarism is using the creations, ideas, or words of someone else without formally acknowledging the author or source through appropriate use of quotation marks, references, and citations.**

Examples of plagiarism include using another person's ideas as your own; copying words from a book or magazine without using quotes and citation; paraphrasing another person's work without citation; or presenting designs, art or digital files created by someone else as your own. Any student who is uncertain whether his or her use of the work of another will constitute plagiarism should consult the course instructor before submitting the course work involved. Citation standards and guidelines are available from you instructors and The Art Institute Library.

**The Art Institute of Seattle Policy on Plagiarism:** It is the policy of The Art Institute of Seattle that students who copy or otherwise plagiarize the assignments, examinations, artwork, media or projects of other individuals are subject to disciplinary action, including failure of the course in which the plagiarized work was submitted or possible termination from The Art Institute of Seattle.

**Disability Policy Statement:**

"It is AIS's policy not to discriminate on the basis of disability in its educational programs. If you have a disability-related need for adjustments or other accommodations in this class, contact the Disability Services Department at 206-448-0900 Ext 2308."

## **Syllabus Addendum (changes will be announced)**

### **Instructor:**

S. Joshua Brincko, Architect, M.Arch, ASFD, NCIDQ cert  
Email: [jbrincko@aii.edu](mailto:jbrincko@aii.edu)  
Office hours: <http://internationalstudio.us/appointments.html>

### **Additional Texts:**

*Design for the Real World*, Victor Papanek  
*Green Studio Handbook*, Alison Kwok

### **Grading:**

Quizzes	21 points
Final Exam:	100 points
Participation + Course Notebook + Assignments:	100 points

### **Late Work Policy:**

All assignments must be submitted prior to the assigned due date and time to receive credit. Because of industry standards, late work is not accepted for credit. You may submit late work for feedback, but no grade can be assigned. 1 missed assignment causes your overall score to drop 1 letter grade.

### **Participation Policy:**

Contribution to the design process and learning environment is required for every student. All students must collaborate on their colleagues' projects to promote positive design advancements.

### **Resources:**

*Design for the Real World*, Victor Papanek  
*Cradle to Cradle*, William McDonough & Michael Braungart  
*The Green Studio Handbook*, Alison Kwok (Author), Walter Grondzik (Author)  
*An Inconvenient Truth*, Participant Productions  
*Design | e<sup>2</sup>*, PBS Home Video  
*Green Building*, Your Edge in the Home Building Marketplace, What's Working  
*Sustainable Architecture*, San Luis Video Publishing  
*Sustainability in Construction*, Einstein Network  
*Ecological Design*, Filmwest Associated  
Built Green website: <http://www.builtgreen.net/>  
LEED website: [www.usgbc.org/leed/](http://www.usgbc.org/leed/)  
Art Institute Website: <http://www.artinstitutes.edu/seattle/>  
International Studio Website: [www.internationalstudio.us](http://www.internationalstudio.us)

**AGENDA** (changed will be announced)

**NOTE: ASSIGNED WORK IS DUE AT THE BEGINNING OF EACH CLASS TO RECEIVE CREDIT, AND IT MUST BE PRINTED. LATE WORK WILL RECEIVE NO CREDIT. KEEP ALL OF YOUR PROGRESS ASSIGNMENTS.**

**Submittal outline (subject to change):**

- Week 1
  - **During Class:**
    - course introduction
    - *video: An Inconvenient Truth*
  - **Assigned Homework:**
    - turn in notes from the video.
    - write a paragraph describing the issue in the video that was the most shocking, and describe what a designer can do to prevent and/or change that issue.
  
- Week 2
  - **During Class:**
    - *lecture: overview of An Inconvenient Truth*
    - *video: Ecological Design*
  - **Assigned Homework:**
    - turn in notes from the video.
    - write a paragraph about Buckminster Fuller's contributions to sustainable design.
    - read DRW: Foreword
    - read GSH: ch 1 – 3.
  
- Week 3
  - **During Class:**
    - *quiz GSH: ch 1 – 3*
    - *lecture: overview of GSH chapter 1 – 3 & DRW foreword*
    - *video: Sustainable Architecture*
  - **Assigned Homework:**
    - turn in notes from the video.
    - neatly draw a diagram comparing summer and winter sun angles and use bullet points to describe the considerations for each.
    - read GSH: ch 4 (envelope)
  
- Week 4
  - **During Class:**
    - *quiz GSH: ch 4 (envelope)*
    - *lecture: overview of GSH chapter 4 (envelope); Built Green*
    - *video: Sustainability in Construction*
  - **Assigned Homework:**
    - turn in notes from the video.
    - using the Built Green New Construction Checklist, circle all items that are method/practice-based (not material based). Total up these points.
    - put a star next to all items you do not understand on the Built Green New Construction Checklist.
    - read GSH: ch 4 (lighting)
    - **MEET AT ECOHAUS WEEK 5!**
  
- Week 5
  - **During Class:**
    - *lecture: Ecohaus (4121 First Avenue South, Seattle, Washington 98134)*
    - *quiz GSH: ch 4 (lighting)*
  - **Assigned Homework:**
    - with a partner, select a material from at the Ecohaus, and create a presentation to present next class. Use samples, photos, powerpoint slides, drawings, etc to

- describe the material, its benefits, its properties, how to install it, and other useful information
  - read GSH: ch 4 (heating)
- Week 6
  - **During Class:**
    - *quiz* GSH: ch 4 (heating)
    - *lecture*: LEED; overview of GSH chapter 4 (heating)
    - *presentations*: Ecohaus material from previous week
  - **Assigned Homework:**
    - Using the appropriate LEED checklist, fill out the form to certify your home. Attach photos for every item that you checked.
    - read GSH: ch 4 (cooling)
- Week 7
  - **During Class:**
    - *quiz* GSH: ch 4 (cooling)
    - *lecture*: LEED presentations; overview of GSH chapter 4 (cooling)
  - **Assigned Homework:**
    - neatly draw diagrams for 3 passive heating and 3 passive cooling strategies
    - read GSH: ch 4 (energy production)
- Week 8
  - **During Class:**
    - *quiz* GSH: ch 4 (energy production)
    - *lecture*: overview of GSH chapter 4 (energy production)
    - *video*: *Design | E<sup>2</sup>*
  - **Assigned Homework:**
    - turn in notes from the video.
    - write a paragraph describing the issue in the video that was the most shocking, and describe what a designer can do to prevent and/or change that issue.
    - read GSH: ch 4 (water and waste)
- Week 9
  - **During Class:**
    - *quiz* GSH: ch 4 (water and waste)
    - *lecture*: DRW chapter 1 – 3; overview of GSH chapter 4 (water and waste)
  - **Assigned Homework:**
    - read DRW chapter 4 - 7.
    - turn in notes from DRW chapters 1 – 7.
- Week 10
  - **During Class:**
    - *lecture*: overview of DRW chapters 4 – 10.
  - **Assigned Homework:**
    - read DRW chapter 11 – 12.
    - turn in notes from DRW chapters 8 – 12.
- Week 11
  - **During Class:**
    - *lecture*: overview of DRW chapters 11 – 12.
    - *Final Exam* (essay): evolution of sustainability

**Point Totals:**

( /100) participation + notebook + assignments  
( /21) quizzes  
( /100) final exam  
( **/221**) **course grade**

% QUARTER GRADE

**Reminder:**

All work is due at the start of class time. Work not ready at the start of class time will not be graded. Incomplete work will be graded if it is submitted at the start of class time.

**Name:**

## **Movie Notes**

Name of movie:

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List the topics discussed and :

1.
  - a.
  - b.
  - c.
2.
  - a.
  - b.
  - c.
3.
  - a.
  - b.
  - c.
4.
  - a.
  - b.
  - c.
5.
  - a.
  - b.
  - c.

What are your opinions of the ideas presented?

- 1.
- 2.
- 3.

How do the ideas presented affect interior design?

- 1.
- 2.
- 3.