



# Design + Environmental Analysis

## DEA Curriculum Overview<sup>1</sup>

AY 16-17

### University and College Requirements

For university and college requirements, refer to *College of Human Ecology Curriculum Sheet* for DEA major for corresponding entry year. <http://www.human.cornell.edu/registrar/degree-progress/curriculum-sheets.cfm>

### DEA Core Requirements

(Students will be pre-enrolled)

#### Fall Semester

- 1101 Visual Literacy and Design Studio<sup>2</sup>
- 1110 Making a Difference by Design **OR** 1200 Art + Science
- 2510 History of Design Futures
- 2730 Human-Centered Design Methods **OR** 3700 Design Methods
- 3550 Research Methods in Human-Environment Relationship<sup>3</sup>
- 3590 Problem-Seeking through Programming

#### Spring Semester

- 1050 Career Explorations
- 1150 Design Graphics and Visualization
- 1500 Intro to Environmental Psychology
- 4040 Professional Practice, Ethics & Entrepreneurship
- 4610 Professional Communication & Portfolio

### DEA Thematic Courses

(Complete minimum of 10 courses from list, letter grade only, and three out of ten must be studio thematic.)

**DS=Design Strategies, SF=Sustainable Futures, HW=Health & Well-Being**

#### Fall Semester

- 2020 Introduction to Sustainable Design (SF, DS)
- 2201 Magnifying Small Spaces Studio (DS,SF)
- 2550 Design Strategy and Management (DS)
- 2700 Healthy Places: Design, Plng & Public Health (HW,SF)
- 3030 Interior Materials and Sustainable Elements (SF,DS)
- 3301 Design UX with Technology Studio (DS)
- 3500 The Ambient Environment (SF, HW)
- 3510 Ergonomics and Anthropometrics (HW)
- 3530 Planning and Managing the Workplace (DS)
- 4220 Ecological Literacy and Design (SF, DS)
- 4401 Adaptive Reuse Studio: Recycling the Built Environ (DS,SF)
- 4500 Policy Meets Design (DS, HW)
- 5304 Design Accountability: Eval of the Physical Environment (DS)
- 5550 Time, Typology and Transformation (DS)

#### Spring Semester

- 2040 High-Performance Buildings (SF,DS)
- 2203 StudioSHIFT (DS)
- 2750 Lighting Design: Light InForming Space (DS)
- 3050 Construction Documentation: CAD and BIM (DS)
- 3302 Sustainable Consumerism: New Retail Studio (DS)
- 3304 Health and Healing Studio (HW, DS)
- 4100 Diversity and Facility Design (DS)
- 4300 Furniture as an Eco-Social Art Studio (HW)
- 4402 Disruptive Design: Competitions Studio (DS)
- 5520 Virtual Experience of Designed Environments (DS)
- 5540 Workplace Strategies Studio (DS)

### Non-Required DEA Courses and Workshops

- 3600 Design City
- 5420/5421 Design Immersions

- 4230 Design Charrette

<sup>1</sup> This DEA Curriculum Overview is for planning purposes *only*. Course choices for any given semester must be cross-referenced with the corresponding major's *Curriculum Sheet*, which is available in the College of Human Ecology Registrar's Office, or on the CHE web site at: <http://www.human.cornell.edu/registrar/degree-progress/curriculum-sheets.cfm>.

<sup>2</sup> DEA1101 is offered both in Fall and Spring

<sup>3</sup> When DEA 3550 is not offered, choose one approved Research Methods course from the following list: COMM 2820, PAM 3120, ILROB 4710

## **Suggested Thematic Courses Based on Professional Tracks**

Bolded courses are important to complete in preparation for professional licensing and/or certification.

### **Design + Interior Environments<sup>i</sup>**

(In addition to bolded titles, students should complete four (4) non-bolded studios from the list below.)

DEA 2020	Introduction to Sustainable Design
<b>DEA 2040</b>	<b>High-Performance Buildings</b>
DEA 2201	Magnifying Small Spaces Studio
DEA 2203	StudioSHIFT
DEA 2550	Design Strategy and Management
DEA 2750	Lighting Design: Light InForming Space
<b>DEA 3030</b>	<b>Interior Materials and Sustainable Elements</b>
<b>DEA 3050</b>	<b>Construction Documentation: CAD and BIM</b>
DEA 3301	Design UX with Technology Studio
<b>DEA 3302</b>	<b>Sustainable Consumerism: The New Retail Studio</b>
DEA 3304	Health and Healing Studio
<b>DEA 3500</b>	<b>The Ambient Environment</b>
DEA 4100	Diversity and Facility Design
DEA 4220	Ecological Literacy + Design
DEA 4300	Furniture as an Eco-Social Art Studio
<b>DEA 4401</b>	<b>Adaptive Reuse Studio: Recycling the Built Environment</b>
DEA 4402	Disruptive Design Competitions Studio
DEA 4500	Policy Meets Design
DEA 5520	Virtual Experience of Design Environments
DEA 5540	Workplace Strategies Studio
DEA 5550	Time, Typology and Transformation

### **Facility Planning + Management<sup>ii</sup>**

DEA 2020	Introduction to Sustainable Design
<b>DEA 2040</b>	<b>High-Performance Buildings</b>
<b>DEA 2550</b>	<b>Design Strategy and Management</b>
DEA 2700	Healthy Places: Design, Planning and Public Health
DEA 3030	Interior Materials and Sustainable Elements
<b>DEA 3050</b>	<b>Construction Documentation: CAD and BIM</b>
DEA 3301	Design UX with Technology Studio
DEA 3304	Health and Healing Studio
<b>DEA 3500</b>	<b>The Ambient Environment</b>
<b>DEA 3530</b>	<b>Planning and Managing the Workplace: Evidence-Based Design &amp; Organizational Ecology</b>
<b>DEA 4100</b>	<b>Diversity and Facility Design</b>
DEA 4500	Policy Meets Design: High-Impact Facilities of the 21 <sup>st</sup> Century
DEA 5304	Design Accountability: Evaluation of the Physical Environment
<b>DEA 5540</b>	<b>Workplace Strategies Studio</b>
<b>HADM 2250</b>	<b>Finance</b>
HADM 3550	Hospitality Facilities Management
<b>Real Estate</b>	(Choose from HADM 4200 Principles of Real Estate, CRP 5075 Real Estate Project Workshop, CRP 5320 Real Estate Development Process, or CRP 5330 Real Estate Marketing and Management)
<b>Project Management</b>	(Choose from HADM 4570 Project Management for Hospitality Real Estate Development or CEE 5900 Project Management)

### **Ergonomics + Design<sup>iii</sup>**

DEA 2201	Magnifying Small Spaces Studio (or alternate studio option)
DEA 2040	High-Performance Buildings
DEA 2700	Healthy Places: Design, Planning and Public Health
<b>DEA 3030</b>	<b>Interior Materials and Sustainable Elements</b>
DEA 3050	Construction Documentation: CAD and BIM
<b>DEA 3301</b>	<b>Design UX with Technology Studio</b>
DEA 3304	Health and Healing Studio
<b>DEA 3500</b>	<b>The Ambient Environment</b>
<b>DEA 3510</b>	<b>Ergonomics and Anthropometrics</b>
DEA 3530	Planning and Managing the Workspace: Evidence-Based Design & Organizational Ecology
<b>DEA 4100</b>	<b>Diversity and Facility Design</b>
DEA 4220	Ecological Literacy and Design
<b>DEA 4300</b>	<b>Furniture as an Eco-Social Art Studio</b>
<b>DEA 4700</b>	<b>Applied Ergonomic Methods</b>
<b>COMM 2450</b>	<b>Communication and Technology</b>
<b>COMM 3450</b>	<b>Human-Computer Interaction Design</b>
<b>NS 3410</b>	<b>Human Anatomy and Physiology</b>

<sup>i</sup> To achieve eligibility toward taking the NCIDQ (National Council for Interior Design Qualification) examination, students must complete a minimum of 60 credit hours of interior design courses. Students should complete all bolded courses listed under the Design and Interior Environments heading above <http://www.ncidqexam.org/exam/eligibility-requirements/>

<sup>ii</sup> To fulfill competencies requirement by IFMA Accreditation. <https://foundation.ifma.org/accreditation>

<sup>iii</sup> To prepare for Board Certification in Professional Ergonomics (BCPE), students should complete bolded courses listed under the Ergonomics and Design heading above. <http://www.bcpe.org/?s=Pilot+Exam>. Here is a link to the Core Competencies: <http://www.bcpe.org/how-to-certify/the-process/>