IDSD 4882 - SENIOR PROJECT II: SUSTAINABLE DESIGN PROJECT

Credits: 3

In the second of the three-part senior project sequence, students develop and present a comprehensive design project of individual interest in this course. Emphasis is on the application of research completed in the Design Research course to a commercial project that entails all aspects of skill, knowledge, and creative problem solving acquired to date. The project must meet the program's guidelines and departmental approval. As part of the Sustainable Design Specialization, coursework must be completed using the sustainable knowledge and strategies obtained to date. Upon successful completion of this course, students will demonstrate the ability to complete a comprehensive design project illustrating all of their skills and knowledge as pre-professionals while taking ownership of their individual vision as designers.

Prerequisites: IDSD 4881 - Senior Project I: Sustainable Design Research

Corequisites: IDSD 4250 - Sustainable Design Senior Portfolio Review or ID 4000 - Interior Design Senior Portfolio Review

Notes: (Formerly IDSD 4990 Senior Design Project - Sustainable Design)

Course Learning Outcomes	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes	CIDA Standards
Understand that human and environmental conditions vary according to geographic location and impact design and construction decisions.	Design work and construction decisions demonstrates an exemplary, thorough, and anticipatory understanding of human circumstances, envionrmental conditions, and geographic considerations.	Explains human circumstances and environmental conditions and how these vary according to geographic location. Explains how these impact design and construction decisions. Design work demonstrates this understanding.	Defines human circumstances and environmental conditions; however, does not examine how these vary according to geographic location nor their impact on design and construction decisions.	Does not understand that human circumstances and environmental conditions vary according to geographic location and impact design and construction decisions.	ID1 GLOBAL CONTEXT	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 4. Global Context
Understand how social, economic, cultural, and physical contexts inform interior design.	Demonstrates a thorough application and informed understanding of social, economic, cultural, and physical contexts.	Understands how social, economic, cultural, and physical contexts inform interior design.	Recognizes social, economic, cultural, and physical contexts; however, these do not inform design work.	Does not understand how social, economic, cultural, and physical contexts inform interior design.	ID1 GLOBAL CONTEXT	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 4. Global Context
Understand how systems thinking informs the practice of interior design.	Applies system thinking to the practice of interior design.	Understands how system thinking informs the practice of interior design.	Recognizes somoe elements of the relationship between system thinking and the practice of interior design.	Does not understand how systems thinking informs the practice of interior design.	ID1 GLOBAL CONTEXT	Cultural Competence, Critical Thinking	CIDA Standard 4. Global Context
Reconize current and relevant events that are shaping contemporary society and the world.	Analyzes how current and relevant events shape contemporary society and the world.	Recognizes current and relevant events that are shaping contemporary society and the world.	Recognizes some current and relevant events; however, does not explain how these are shaping contemporary society and the world.	Does not recognize current and relevant events that are shaping contemporary society and the world.	ID1 GLOBAL CONTEXT	Cultural Competence, Critical Thinking	CIDA Standard 4. Global Context
Understand the terminology and language necessary to communicate effectively with members of allied disciplines.	Applies the terminology and language necessary to communicate effectively with members of allied disciplines.	Defines the terminology and language necessary to communicate effectively with members of allied disciplines.	Recalls the terminology and language necessary to communicate effectively with members of allied disciplines.	Does not demonstrates an awareness of the terminology and language necessary to communicate effectively with members of allied disciplines.	ID2 COLLABORATION	Communication Competence, Design Competence	CIDA Standard 5. Collaboration
Define the breadth and depth of interior design's impact and value.	Applies the breadth and depth of interior design's impact and value.	Defines the breadth and depth of interior design's impact and value.	Recalls the breadth and depth of interior design's impact and value.	Does not define the breadth and depth of interior design's impact and value.	ID3 BUSINESS PRACTICES + PROFESSIONALISM	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 6. Business Practices and Professionaism
Understand the relationship between the natural, built, virtual, and technological environments as they relate to the human experience, wellbeing, behavior, and performance.	Designs natural, built, virtual, and technological environments that relate to human experience, wellbeing, behavior, and performance.	Understands the relationship between the natural, built, virtual, and technological environments as they relate to the human experience, wellbeing, behavior, and performance.	Recalls the relationship between the natural, built, virtual, and technological environments as they relate to the human experience, wellbeing, behavior, and performance.	Does not understand the relationship between the natural, built, virtual, and technological environments as they relate to the human experience, wellbeing, behavior, and performance.	ID4 HUMAN-CENTERED DESIGN	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 7. Human-Centered Design
Apply human factors, ergonomics, and universal design principles to design solutions.	Analyzes human factors, ergonomics, and universal design principles to design solutions.	Demonstrates the ability to apply human factors, ergonomics, and universal design principles to design solutions.	Recalls human factors, ergonomics, and universal design principles and recognizes them within design work.	Does not demonstrate the ability to apply human factors, ergonomics, and universal design principles to design solutions.	ID4 HUMAN-CENTERED DESIGN	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 7. Human-Centered Design
Apply wayfinding techniques to design solutions.	Analyzes wayfinding techniques within design solutions.	Applies wayfinding techniques to design solutions.	Recognizes wayfinding techniques within design solutions.	Does not apply wayfinding techniques to design solutions.	ID4 HUMAN-CENTERED DESIGN	Communication Competence, Design Competence, Critical Thinking	CIDA Standard 7. Human-Centered Design
Apply space planning techniques throughout the design process.	Analyzes space planning techniques within the design process.	Applies space planning techniques throughout the design process.	Identifies space planning techniques within the design process.	Does not apply space planning techniques throughout the design process.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Apply knowledge and skills learned to solve progressively complex design problems.	Solves progressively complex design problems.	Synthesizes progressively complex design problems.	Analyzes progressively complex design problems.	Does not solve progressively complex design problems.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Apply knowledge and skills learned to identify and define issues relevant to the design problem.	Analyzes issues relevant to the design problem.	Identifies and defines issues relevant to the design problem.	Recalls issues relevant to the design problem.	Does not identify or define issues relevant to the design problem.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Apply knowledge and skills learned to execute the design process: pre-design, schematic design, and design development.	Executes the design process: pre-design, schematic design, and design development.	Synthesizes the design process: pre-design, schematic design, and design development.	Analyzes the design process: pre-design, schematic design, and design development.	Does not execute the design process: pre-design, schematic design, and design development.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process

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Prerequisites: IDSD 4881 - Senior Project I: Sustainable Design Research

Corequisites: IDSD 4250 - Sustainable Design Senior Portfolio Review or ID 4000 - Interior Design Senior Portfolio Review

Notes: (Formerly IDSD 4990 Senior Design Project - Sustainable Design)

Course Learning Outcomes	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes	CIDA Standards
Apply knowledge and skills learned to synthesize information to generate evidence-based design solutions.	Generates evidence-based design solutions.	Synthesizes information within design solutions.	Analyzes information within design solutions.	Does not synthesize information to generate evidence-based design solutions.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Apply knowledge and skills learned to design original and creative solutions.	Designs original and creative solutions with professional expertise and polish.	Designs original and creative solutions.	Designs with evidence of some originality and some creative solutions.	Does not design original and creative solutions.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Apply knowledge and skills learned to execute the design process: pre-design, quantitative and qualitative programming, schematic design, and design development.	Executes comprehensive and critical design processes: pre-design, quantitative and qualitative programming, schematic design, and design development.	Applies knowledge and skills learned to execute the design process: pre-design, quantitative and qualitative programming, schematic design, and design development.	Applies some knowledge and skills learned to execute some components of the design process: pre-design, quantitative and qualitative programming, schematic design, and design development.	Does not apply knowledge and skills learned to execute the design process: pre-design, quantitative and qualitative programming, schematic design, and design development.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Understand the importance of evaluating the relevance and reliability of information and research impacting design solutions.	Creates designs informed by relevant and reliable information and research.	Evaluates the relevance and reliability of information and research impacting design solutions.	Analyzes information and research impacting design solutions.	Does not understand the importance of evaluating the relevance and reliability of information and research impacting design solutions.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Recognize a range of problem identification and problem solving methods.	Applies a range of problem identification and problem solving methods.	Recognizes a range of problem identification and problem solving methods.	Recognizes some problem identification and problem solving methods.	Does not recognize a range of problem identification and problem solving methods.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Recognize innovation and risk taking.	Analyzes innovation and risk taking.	Applies innovation and risk taking.	Recognizes innovation and risk taking.	Does not apply innovation and risk taking.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Effectively interpret and communicate data and research.	Effectively interprets and communicates data and research with clarity and criticality.	Effectively interpret and communicate data and research.	Interprets and communicates data and research but without criticality or clarity.	Does not effectively interpret and communicate data and research.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication
Effectively express ideas and their rationale in oral communication.	Effectively expresses ideas and their rationale in oral communication and actively engages audience with the material and content.	Effectively expresses ideas and their rationale in oral communication.	Expresses ideas in oral communication but without fully explaining rationale and without clarity or detail.	Does not effectively express ideas and their rationale in oral communication.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication
Effectively express ideas and their rationale in written communication.	Effectively expresses ideas and their rationale in written communication and actively engages readers with the material and content.	Effectively expresses ideas and their rationale in written communication.	Expresses ideas in written communication but without fully explaining rationale and without clarity or detail.	Does not effectively express ideas and their rationale in written communication.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication
Effectively express ideas developed in the design process through visual media: ideation drawings and sketches.	Effectively expresses ideas developed in the design process through visual media (ideation drawings and sketches) and actively engages audience with the material and content.	Effectively expresses ideas developed in the design process through visual media: ideation drawings and sketches.	Expresses ideas developed in the design process through visual media but without clarity or detail.	Does not effectively express ideas developed in the design process through visual media: ideation drawings and sketches.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication
Effectively express project solutions using a variety of visual communication techniques and technologies appropriate to a range of purposes and audiences.	Effectively expresses project solutions using a variety of visual communication techniques and technologies appropriate to a range of purposes and audiences. These expressions demonstrate nuance, criticality, and engagement.	Effectively expresses project solutions using a variety of visual communication techniques and technologies appropriate to a range of purposes and audiences.	Expresses project solutions using some visual communication techniques and technologies although these are not always appropriate to a range of purposes and audiences.	Does not effectively express project solutions using a variety of visual communication techniques and technologies appropriate to a range of purposes and audiences.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication
Recognize evolving communication technologies.	Anticipates new and evolving communication technologies.	Recognizes evolving communication technologies.	Recognizes some communication technologies.	Does not recognize evolving communication technologies.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication

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Prerequisites: IDSD 4881 - Senior Project I: Sustainable Design Research

Corequisites: IDSD 4250 - Sustainable Design Senior Portfolio Review or ID 4000 - Interior Design Senior Portfolio Review

Notes: (Formerly IDSD 4990 Senior Design Project - Sustainable Design)

Course Learning Outcomes	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes	CIDA Standards
Demonstrate active listening skills in the context of professional collaboration.	Demonstrates active and critical listening skills in the context of professional collaboration. Employs professional discretion in engagement and collaboration.	Demonstrates active listening skills in the context of professional collaboration.	Demonstrates listening skills in the context of professional collaboration; however, does not demonstrate consistent engagement.	Does not demonstrate active listening skills in the context of professional collaboration.	ID6 COMMUNICATION	Communication Competence	CIDA Standard 9. Communication
Understand the basic context and framework of history as it relates to Interior Design.	Analyzes the basic context and framework of history as it relates to furniture, decorative arts, and material culture.	Understands the basic context and framework of history as it relates to furniture, decorative arts, and material culture.	Recognizes the basic context and framework of history as it relates to furniture, decorative arts, and material culture.	Does not understand the basic context and framework of history as it relates to furniture, decorative arts, and material culture.	ID7 HISTORY + THEORY	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 10. History and Theory
Understand the basic context and framework of history as it relates to furniture, decorative arts, and material culture	Analyzes the basic context and framework of history as it relates to architecture.	Understands the basic context and framework of history as it relates to architecture.	Recognizes the basic context and framework of history as it relates to architecture.	Does not understand the basic context and framework of history as it relates to architecture.	ID7 HISTORY + THEORY	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 10. History and Theory
Apply knowledge and skills learned to explore and iterate multiple ideas.	Explores and iterates multiple ideas with criticality and nuance.	Explores and iterates multiple ideas.	Explores and iterates some ideas.	Does not explore or iterate multiple ideas.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 8. Design Process
Understand the basic context and framework of history as it relates to architecture.	Analyzes the basic context and framework of history as it relates to art.	Understands the basic context and framework of history as it relates to art.	Recognizes the basic context and framework of history as it relates to art.	Does not understand the basic context and framework of history as it relates to art.	ID7 HISTORY + THEORY	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 10. History and Theory
Understand the basic context and framework of history as it relates to art.	Analyzes the social, political, and physical influences affecting historical changes in design of the built environment.	Understands the social, political, and physical influences affecting historical changes in design of the built environment.	Recognizes the social, political, and physical influences affecting historical changes in design of the built environment.	Does not understand the social, political, and physical influences affecting historical changes in design of the built environment.	ID7 HISTORY + THEORY	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 10. History and Theory
Understand the elements and principles of design, including spatial definition and organization.	Applies the elements and principles of design, including spatial definition and organization.	Understand the elements and principles of design, including spatial definition and organization.	Recognizes the elements and principles of design, including spatial definition and organization.	Does not understand the elements and principles of design, including spatial definition and organization.	ID8 DESIGN ELEMENTS + PRINCIPLES	Design Competence	CIDA Standard 11. Design Elements and Principles
Demonstrate the ability to explore a range of two- and three-dimensional design solutions using a variety of media.	Creates designs informed by a range of two- and three-dimensional design solutions using a variety of media.	Explores a range of two- and three-dimensional design solutions using a variety of media.	Explores some two- and three-dimensional design solutions using some variety of media.	Does not explore a range of two- and three-dimensional design solutions using a variety of media.	ID8 DESIGN ELEMENTS + PRINCIPLES	Design Competence	CIDA Standard 11. Design Elements and Principles
Effectively apply the elements and principles of design and related theories throughout the interior design curriculum to two-dimensional design solutions.	Analyze the elements and principles of design and related theories throughout the interior design curriculum to two-dimensional design solutions.	Apply the elements and principles of design and related theories throughout the interior design curriculum to two-dimensional design solutions.	Recognize the elements and principles of design and related theories throughout the interior design curriculum to two-dimensional design solutions.	Does not apply the elements and principles of design and related theories throughout the interior design curriculum to two-dimensional design solutions.	ID8 DESIGN ELEMENTS + PRINCIPLES	Design Competence	CIDA Standard 11. Design Elements and Principles
Effectively apply the elements and principles of design and related theories throughout the interior design curriculum to three-dimensional design solutions.	Analyze the elements and principles of design and related theories throughout the interior design curriculum to three-dimensional design solutions.	Apply the elements and principles of design and related theories throughout the interior design curriculum to three-dimensional design solutions.	Recognize the elements and principles of design and related theories throughout the interior design curriculum to three-dimensional design solutions.	Does not the elements and principles of design and related theories throughout the interior design curriculum to three-dimensional design solutions.	ID8 DESIGN ELEMENTS + PRINCIPLES	Design Competence	CIDA Standard 11. Design Elements and Principles
Recognize the environmental impact of illumination strategies and decisions.	Analyzes the environmental impact of illumination strategies and decisions to designs.	Recognizes the environmental impact of illumination strategies and decisions.	Identifies some environmental impacts of illumination strategies and decisions.	Does not recognize the environmental impact of illumination strategies and decisions.	ID9 LIGHT + COLOR	Design Competence, Critical Thinking	CIDA Standard 12. Light and Color
Understand the principles of natural and artificial lighting design.	Applies the principles of natural and artificial lighting design.	Understand the principles of natural and artificial lighting design.	Identifies the principles of natural and artificial lighting design.	Does not understand the principles of natural and artificial lighting design.	ID9 LIGHT + COLOR	Design Competence, Critical Thinking	CIDA Standard 12. Light and Color
Understand strategies for using and modulating natural light.	Applies strategies for using and modulating natural light.	Understand strategies for using and modulating natural light.	Identifies strategies for using and modulating natural light.	Does not understand strategies for using and modulating natural light.	ID9 LIGHT + COLOR	Design Competence, Critical Thinking	CIDA Standard 12. Light and Color
Competently select and apply luminaires and light sources.	Competently selects and applies luminaires and light sources with criticality and creativity.	Competently selects and applies luminaires and light sources.	Selects and applies luminaires and light sources with inconsistency.	Does not competently select and apply luminaires and light sources.	ID9 LIGHT + COLOR	Design Competence, Critical Thinking	CIDA Standard 12. Light and Color

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Understand color principles, theories, and systems.	Applies color principles, theories, and systems.	Understands color principles, theories, and systems.	Recognizes color principles, theories, and systems.	Does not understand color principles, theories, and systems.	ID9 LIGHT + COLOR	Design Competence, Critical Thinking	CIDA Standard 12. Light and Color
Understand how furnishings, objects, materials, and finishes work together to support the design intent.	Analyze how furnishings, objects, materials, and finishes work together to support the design intent.	Understand how furnishings, objects, materials, and finishes work together to support the design intent.	Recognize how furnishings, objects, materials, and finishes work together to support the design intent.	Does not understand how furnishings, objects, materials, and finishes work together to support the design intent.	ID10 PRODUCTS + MATERIALS	Design Competence, Critical Thinking	CIDA Standard 13. Products and Materials
Understand typical fabrication, installation methods, and maintenance requirements.	Evaluates fabrication, installation methods, and maintenance requirements.	Demonstrates an understanding of typical fabrication, installation methods, and maintenance requirements.	Recognizes some fabrication, installation methods, and maintenance requirements.	Does not demonstrate an understanding of typical fabrication, installation methods, and maintenance requirements.	ID10 PRODUCTS + MATERIALS	Design Competence, Critical Thinking	CIDA Standard 13. Products and Materials
Understand appropriate design or specification of products and materials in relation to project criteria and human and environmental wellbeing.	Evaluates appropriate design or specification of products and materials in relation to project criteria and human and environmental wellbeing.	Demonstrates an understanding of appropriate design or specification of products and materials in relation to project criteria and human and environmental wellbeing.	Recognizes the appropriate design or specification of products and materials but not always in relation to project criteria and human and environmental wellbeing.	Does not demonstrate an understanding of appropriate design or specification of products and materials in relation to project criteria and human and environmental wellbeing.	ID10 PRODUCTS + MATERIALS	Design Competence, Critical Thinking	CIDA Standard 13. Products and Materials