

ID 3550 - CUSTOM FURNISHINGS

Credits: 3

This junior-level course emphasizes innovation and creativity in the design of functional furniture pieces. Students investigate appropriate materials, including sustainable alternatives, and apply relevant assembly and construction techniques for their designs. Upon successfully completing this course, students will understand and implement the creative, technical, and practical processes involved in the design and construction of custom furniture for specific uses.

Prerequisites: FD 2130 - 3D Design: Space + Materiality

Notes: (Formerly ID 4850)

Course Learning Outcomes	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes	CIDA Standards
Understand theories related to the impact of the built environment on human experience, behavior, and performance.	Applies theories related to the impact of the built environment on human experience, behavior, and performance.	Understands theories related to the impact of the built environment on human experience, behavior, and performance.	Recalls theories related to the impact of the built environment on human experience, behavior, and performance.	Does not understand theories related to the impact of the built environment on human experience, behavior, and performance.	ID4 HUMAN-CENTERED DESIGN	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 4. Global Context
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 4. Global Context
Gather and apply human-centered evidence.	Applies human-centered evidence to designs.	Demonstrates the ability to gather and apply human-centered evidence.	Demonstrates the ability to gather and apply some human-centered evidence but research is not thorough nor critical.	Does not demonstrate the ability to gather and apply human-centered evidence.	ID4 HUMAN-CENTERED DESIGN	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 4. Global Context
Analyze and synthesize human perception and behavior patterns to inform design solutions.	Creates design solutions informed by human perception and behavior patterns.	Demonstrates the ability to analyze and synthesize human perception and behavior patterns to inform design solutions.	Explains human perception and behavior patterns to inform design solutions.	Does not demonstrate the ability to analyze and synthesize human perception and behavior patterns to inform design solutions.	ID4 HUMAN-CENTERED DESIGN	Cultural Competence, Design Competence, Critical Thinking	CIDA Standard 4. Global Context
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 4. Global Context
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 4. Global Context
ID5 DESIGN PROCESS Apply all aspects of the design process to creatively solve a design problem.	Analyzes the aspects of the design process and how they creatively solve design problems.	Applies all aspects of the design process to creatively solve a design problem.	Understands the aspects of the design process, but inconsistently recognizes how they apply to creatively solve design problems.	Does not apply all aspects of the design process nor how they creatively solve design problems.	ID5 DESIGN PROCESS	Design Competence, Critical Thinking	CIDA Standard 5. Collaboration
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 5. Collaboration

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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
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
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

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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
Recognize the environmental impact of construction.	Understands the environmental impact of construction.	Recognizes the environmental impact of construction.	Recalls some elements of the environmental impact of construction.	Does not recognize the environmental impact of construction.	ID12 CONSTRUCTION	Design Competence	CIDA Standard 15. Construction
Understand how design solutions affect and are impacted by base-building structural systems and construction methods.	Evaluates how design solutions affect and are impacted by base-building structural systems and construction methods.	Understands how design solutions affect and are impacted by base-building structural systems and construction methods.	Recognizes that design solutions affect and are impacted by base-building structural systems and construction methods.	Does not understand how design solutions affect and are impacted by base-building structural systems and construction methods.	ID12 CONSTRUCTION	Design Competence	CIDA Standard 15. Construction
Understand how design solutions affect and are impacted by interior systems, construction, and installation methods.	Evaluates how design solutions affect and are impacted by interior systems, construction, and installation methods.	Understands how design solutions affect and are impacted by interior systems, construction, and installation methods.	Recognizes that design solutions affect and are impacted by interior systems, construction, and installation methods.	Does not understand how design solutions affect and are impacted by interior systems, construction, and installation methods.	ID12 CONSTRUCTION	Design Competence	CIDA Standard 15. Construction
Understand how design solutions affect and are impacted by detailing and specification of interior construction materials, products, and finishes.	Evaluates how design solutions affect and are impacted by detailing and specification of interior construction materials, products, and finishes.	Understands how design solutions affect and are impacted by detailing and specification of interior construction materials, products, and finishes.	Recognizes that design solutions affect and are impacted by detailing and specification of interior construction materials, products, and finishes.	Does not understand how design solutions affect and are impacted by detailing and specification of interior construction materials, products, and finishes.	ID12 CONSTRUCTION	Design Competence	CIDA Standard 15. Construction