



Matrix 2.1a Core Concepts
 Infusion of the Body of Knowledge in Interior and Environmental Design

Illustrate the infusion of the core concepts of the body of knowledge into program curricula. Complete Matrix 2.1a.

Outcome Measures	Course Number/ Name	Assessment Strategy	Summary of Data Collected	Follow-up Action	Core Concepts			
					Basic Human Needs	Community Vitality	Family Strengths	Individual Well-Being
Recognize experiential aspects of interior spaces as they relate to concepts of social well-being and security.	FCS 338: History of Interior Environments I	Essay examination questions concerning traditions in Roman home design, Chinese courtyard homes, and expressions of social orders in Rococo interiors	100% of students completed essay questions on related topics. 83% of students scored at a level of competency.	Refine lectures; show examples of how housing types and decorative programs related to the presentation or existence of social well-being and security.	X	X	X	
Design residential interior and exterior spaces that meet physiological needs of individuals and family clients.	FCS 340 Interior Design Studio I	Kitchen Remodel Project for single male in Chicago Condo. Lake Home for Family of 4	95% of students completed construction drawings and material finish boards for kitchen. 95% of students completed indoor and outdoor space planning, 3-D models and material/finish board.	Include project that involves a "real" client who represents a more diverse family background.	X			X
Design residential spaces that support and nurture diverse families and individuals.	FCS 340 Interior Design Studio I	Kitchen Remodel Lake Home for Family of 4	95% of students completed construction drawings and material finish boards for kitchen. 95% of students				X	X

			completed indoor and outdoor space planning, 3-D models and material/finish board.					
Demonstrate an understanding of theories of environmental psychology and the human need for safety, and how to apply theory to interior projects.	FCS 347 Human Factors	10 Response Papers posted to Discussion Topics on Blackboard, relevant to the reading and thoughtful comments to at least two other students postings	90% of the topics generated more than the required responses to other students postings.		X	X		X
Ascertain the special needs of populations under stress and those with disabilities.	FCS 347 Human Factors	Pairs of students work together to design a sleeping room to accommodate their minimum requirements & relate to control of domestic workers of Apartheid-Era S. Africa over their housing	90% of students were able to distinguish between 'wants' and 'needs', generating interesting dialogue between pairs of students		X	X		X
Develop a program and solve design problems to meet the special needs of a client.	FCS 347 Human Factors	Students worked in small groups to design an accessible outdoor planting area for disabled campers for Easter Seals	100% of groups developed creative design solutions; however, only 60% grasped all of the factors necessary to make project accessible to all.	Develop strategies for reinforcing all of the elements that make a design accessible	X	X		X
Demonstrate the ability to research, gather and assess information needed to meet the requirements of a client based project.	FCS 347 Human Factors	On the above-project, following a site visit & interview with the client, students had to research quick-growing plants, their planting requirements, & how to make those areas accessible	100% of groups developed creative design solutions which met the Owner's requirements for planting & materials used; however, only 60% grasped all of the factors necessary to make project accessible to all.	Develop strategies for reinforcing all of the elements that make a design accessible	X	X		X

Understand theories of sustainability and how to apply them to interior projects	FCS 347 Human Factors	Students chart their carbon footprint relative to rest of class; write a response paper addressing how they would apply theories of sustainability to their personal life & how they can encourage clients to do the same	100% of students completed online sustainability quiz; 5% were shocked by their carbon footprint; 100% developed good strategies for encouraging clients to be more green.		X	X		X
Design commercial interior and exterior spaces that meet physiological needs of individuals, family structures and the community.	FCS 370: Interior Design Studio II	Restaurant Project: client interview, site evaluation, menu analysis, space planning, presentation materials	100% of students completed the project in a multiple discipline team approach. Included in student's portfolio	Continue offering this team project with new clients each semester.	X	X		X
Design commercial spaces that support and nurture diverse families, individuals and the community in which they work.	FCS 370: Interior Design Studio II	Bank Loan Office Project: concept development board, ADA and universal design application, construction drawings, presentation materials	100% of students completed the project individually and is presented in their personal portfolio		X	X		X
Apply theory on the stages of human development in relation to designing commercial interiors and exterior spaces that meet physiological needs of individuals, families, including children, older adults and those who are differently abled.	FCS 375: Interior Design Studio I	Retail Store Project Grocery Store C-Store Children's Clothing	100% of students completed the project individually and is presented in their personal portfolio.	Include review of the stages of human development to be sure that it is implemented into projects.	X			X
Design commercial spaces that support and nurture diverse families, individuals and the community in which they work.	FCS 375: Interior Design Studio I	Health Care Project	100% of students completed the project individually and is presented in their personal portfolio.	Increase length and depth of project.	X	X		X



Matrix 2.1b Integrative Elements
 Infusion of the Body of Knowledge in Interior and Environmental Design

Illustrate the infusion of the integrative elements of the body of knowledge into program curricula. Complete Matrix 2.1b.

Outcome Measures	Course Number/ Name	Assessment Strategy	Summary of Data Collected	Follow-up Action	Integrative Elements	
					Life Course Development	Human Ecosystem
Demonstrate an understanding of theories of environmental psychology and the relationship to the built environment	FCS 347 Human Factors	Presentation of case studies	90% of the topics generated more than the required responses to other students postings.		X	X
Ascertain the special needs of populations under stress and those with disabilities.	FCS 347 Human Factors	Pairs of students work together to design a sleeping room to accommodate their minimum requirements & relate to control of domestic workers of Apartheid-Era S. Africa over their housing	90% of students were able to distinguish between 'wants' and 'needs', generating interesting dialogue between pairs of students		X	X
Develop a program and solve design problems to meet the special needs of a client.	FCS 347 Human Factors	Students worked in small groups to design an accessible outdoor planting area for disabled campers for Easter Seals	100% of groups developed creative design solutions; however, only 60% grasped all of the factors necessary to make project accessible to all.	Find ways to Incorporate more service-based learning	X	X
Understand theories of sustainability and how to apply them to interior projects	FCS 347 Human Factors	Students chart their carbon footprint relative	100% of students completed online sustainability quiz; 5%		X	X

		to rest of class; write a response paper addressing how they would apply theories of sustainability to their personal life & how they can encourage clients to do the same	were shocked by their carbon footprint; 100% developed good strategies for encouraging clients to be more green.			
Illustrate knowledge of controlling light and color.	FCS 346 Environmental Lighting	Students prepare Light Maps to plan for layers of light in developing their lighting solutions	100% of students grasp concept that individuals need control over amount/source of light in their environments			X
Demonstrate an understanding of theories of environmental psychology and the relationship to the built environment	FCS 347 Human Factors	Presentation of case studies	90% of the topics generated more than the required responses to other students postings.		X	X
Ascertain the special needs of populations under stress and those with disabilities.	FCS 347 Human Factors	Pairs of students work together to design a sleeping room to accommodate their minimum requirements & relate to control of domestic workers of Apartheid-Era S. Africa over their housing	90% of students were able to distinguish between 'wants' and 'needs', generating interesting dialogue between pairs of students		X	X
Develop a program and solve design problems to meet the special needs of a client.	FCS 347 Human Factors	Students worked in small groups to design an accessible outdoor planting area for disabled campers for Easter Seals	100% of groups developed creative design solutions; however, only 60% grasped all of the factors necessary to make project accessible to all.	Find ways to Incorporate more service-based learning	X	X
Understand theories of sustainability and how to apply them to interior projects	FCS 347 Human Factors	Students chart their carbon footprint relative to rest of class; write a response paper addressing	100% of students completed online sustainability quiz; 5% were shocked by their carbon footprint; 100% developed good		X	X

		how they would apply theories of sustainability to their personal life & how they can encourage clients to do the same	strategies for encouraging clients to be more green.			
Illustrate knowledge of controlling light and color.	FCS 346 Environmental Lighting	Students prepare Light Maps to plan for layers of light in developing their lighting solutions	100% of students grasp concept that individuals need control over amount/source of light in their environments			X
Recognize experiential aspects of interior spaces as they relate to concepts of the human ecosystem.	FCS 348: History of Interior Environments I	Examination questions concerning the role of Modern housing, bungalow housing, and 20 th century traditional housing and the perceived goals of the human ecosystem	100% of students completed exam questions these topics	Refine lectures; show more examples of how housing function relates to the human ecosystem.		X
Apply an understanding of the interaction and interrelatedness of individuals, families, and communities to appropriately design their physical interior living space.	FCS 340 Interior Design Studio I	Kitchen Remodel Project for single male in Chicago Condo. Lake Home for Family of 4	95% of students completed construction drawings and material finish boards for kitchen. 95% of students completed indoor and outdoor space planning, 3-D models and material/finish board (materials must be locally available and support local economy).	Include project that involves a "real" client who represents a more diverse family background.	X	X
Apply an understanding of the interaction and interrelatedness of individuals, families, and communities to the design of commercial interior and exterior spaces.	FCS 370: Interior Design Studio II	Restaurant Project: client interview, site evaluation, menu analysis, space planning,	100% of students completed the project in a multiple discipline team approach. Included in student's	More projects of this type need to be included in course work to help students broaden perspectives of community economic involvement.		X

		presentation materials.	portfolio.			
Recognize experiential aspects of interior spaces as they relate to concepts of the human ecosystem.	FCS 338: History of Interior Environments I	Essay examination questions concerning the relationship of the human built environment and objects to the natural environment in pre-historic and the functional designs of Greek housing types.	100% of students completed essay questions on related topics. 78% of students scored at a level of competency.	Refine lectures; show examples of how housing function relates to the human ecosystem.		X
Apply an understanding of the interaction and interrelatedness of individuals, families, and communities to the design of commercial interior and exterior spaces.	FCS 375: Interior Design Studio III	Health Care Project: client research, site evaluation, operation work flow analysis, space planning, presentation materials.	100% of students completed the project in a multiple faceted approach. Included in student's portfolio.	More time needs to be devoted to this project to help students broaden perspectives of community economic involvement of the health care system.		X



Matrix 2.1c Cross-Cutting Themes
 Infusion of the Body of Knowledge in Interior and Environmental Design

Illustrate the infusion of the cross-cutting themes of the body of knowledge into program curricula. Complete Matrix 2.1c.

Outcome Measures	Course Number/ Name	Assessment Strategy	Summary of Data Collected	Follow-up Action	Cross-Cutting Themes				
					Appropriate Use of Technology	Capacity Building	Global Interdependen ce	Resource Development & Sustainability	Wellness
Demonstrate an understanding of theories of environmental psychology and the human need for safety, and how to apply theory to interior projects.	FCS 347 Human Factors	10 Response Papers posted to Discussion Topics on Blackboard, relevant to the reading and thoughtful comments to at least two other students postings	90% of the topics generated more than the required responses to other students postings.			X	X	X	X
Develop a program and solve design problems to meet the special needs of a client.	FCS 347 Human Factors	Group project to design an accessible outdoor planting area for disabled campers at Easter Seals camp	100% of groups developed creative design solutions; however, only 60% grasped all of the factors necessary to make project accessible to all.	Develop strategies for reinforcing all of the elements that make a design accessible					X
Demonstrate the ability to research, gather and assess information needed to meet the requirements of a client based project.	FCS 347 Human Factors	On the above-project, following a site visit & interview with the client, students had to research quick-growing plants, their planting requirements, &	100% of groups developed creative design solutions which met the Owner's requirements for planting & materials used; however, only 60% grasped all of	Develop strategies for reinforcing all of the elements that make a design accessible	X				

		how to make those areas accessible	the factors necessary to make project accessible to all.						
Understand theories of sustainability and how to apply them to interior projects	FCS 347 Human Factors	Students chart their carbon footprint relative to rest of class; write a response paper addressing how they would apply theories of sustainability to their personal life & how they can encourage clients to do the same	100% of students completed online sustainability quiz; 5% were shocked by their carbon footprint; 100% developed good strategies for encouraging clients to be more green.			X	X	X	X
Demonstrate knowledge of energy-efficient lighting sources.	FCS 346 Environmental Lighting	Group presentation documenting successful interior lighting of a model constructed incorporating daylighting technologies	100% of students utilized multiple daylighting technologies; 90% successfully lit the interior of their models	Reinforce model-building techniques	X	X		X	X
Illustrate knowledge of controlling light and color.	FCS 346 Environmental Lighting	Students prepare Fixture Schedules for both residential & commercial projects which include specification of lamp type including color temperature & Color Rendition (CRI)	85% of students correctly specified appropriate color temperatures	Emphasize improved color rendition of LED's for both residential & commercial applications	X	X	X	X	X
Illustrate knowledge of controlling light for energy-efficiency through use of control systems.	FCS 346 Environmental Lighting	Response Paper relevant to identifying applications to specify Control Systems to control both residential & commercial lighting designs.	95% of the students completed the research and developed response papers with thoughtful observations.		X	X	X	X	
Demonstrate the use of the internet to locate appropriate fixtures, equipment, finishes and	FCS 375: Interior Design Studio I	Retail Project Health Care	100% of students used internet to	Move from Publisher to using In-Design software to	X	X			

current sustainable resources and practices.		Project	locate appropriate fixtures, equipment, finishes for digital presentation.	develop presentation materials.					
Select and use appropriate technology to complete construction drawings and presentation materials.	FCS 375: Interior Design Studio I	Retail Project Health Care Project	100% of students complete Construction drawings and presentation materials	Move from AutoCadd to Revit to complete construction drawings	X	X			
Demonstrate the use of the internet to research the history, cultural lifestyle and needs of an international client.	FCS 340 Interior Design Studio I	Lake Home for Family of 4	95% of students completed a precedent study of the history, cultural lifestyle and needs for an international client including availability of local and sustainable materials.	Team with an external agency to adapt project to a "real" international client.	X		X	X	
Select and use appropriate technology to complete construction drawings and presentation materials.	FCS 340 Interior Design Studio I	Kitchen Remodel Lake Home for Family of 4	95% of students completed construction drawings and presentation materials for Kitchen Remodel Project for single male in Chicago Condo. Construction drawings and presentation materials for Lake Home for Family of 4	Move from Publisher to using In-Design software to develop presentation materials. Move from AutoCadd to Revit to complete construction drawings	X				
Demonstrate the use of the internet to locate appropriate and current sustainable resources and practices.	FCS 370: Interior Design Studio II	Restaurant Team Project	100% of students complete Construction drawings and presentation materials including sustainable practices for	Continue to incorporate sustainable practices into restaurant design.	X			X	X

			Restaurant Project						
Select and use appropriate technology to complete construction drawings and presentation materials.	FCS 370: Interior Design Studio II	Restaurant Team Project Bank Loan Office Project	100% of students complete Construction drawings and presentation materials including sustainable practices for Restaurant Project Construction drawings and presentation materials for Office Project.	Move from Publisher to using In-Design software to develop presentation materials. Move from AutoCadd to Revit to complete construction drawings	X				
Demonstrate an understanding of residential Building and Interior Construction Systems,	FCS 218 Interior Construction and Building Systems	Create a residential Partition Plan specifying partition types as well as door & hardware specifications	100% of the students successfully completed the required drawings		X			X	
Demonstrate an understanding of Building and Interior Construction Systems, including mechanical and electrical systems.	FCS 218 Interior Construction and Building Systems	Create a set of commercial construction drawings, calling out partition types as well as door & hardware specifications that comply w/ Building Codes & Accessibility Codes	100% of the students successfully completed the partition type & door/ hardware specs; 90% of the students were successful in designing a space that complied w/ Building & Accessibility Codes	Reinforce code issues pertaining to means of egress and accessible routes	X	X	X	X	X
Demonstrate knowledge of solutions to current interior environmental problems.	FCS 218 Interior Construction and Building Systems	Develop a commercial floorplan & furniture layout that incorporates methods of noise reduction control	100% of the students successfully incorporated methods of sound control	Reinforce solutions incorporating door locations & buffering w/ file cabinets or closets	X				X
Demonstrate knowledge of solutions to current interior environmental problems.	FCS 218 Interior Construction and	Exam	95% of students successfully		X	X		X	X

	Building Systems		answered all questions relating to sustainable building materials						
Recognize experiential aspects of interior spaces as they relate to concepts of global interdependence.	FCS 338: History of Interior Environments I	Essay examination questions concerning the interrelated role of Chinese furniture design to Western traditions.	100% of students completed essay questions on related topics. 92% of students scored at a level of competency.	Refine lectures; add additional examples of global interdependence in design			X		
Recognize experiential aspects of interior spaces as they relate to concepts of global interdependence.	FCS 348: History of Interior Environments II	Essay examination questions concerning the role of technology in the 20 th century home to improve living standards	100% of students completed exam questions on related topics..	Refine lectures; add additional examples of the use of technology to improve living standards	X				