

Design Program of Study

Content Area: HSE

Grade Level: HS

POS: 5

HSE.HS.5.1	
Evaluate the influence of history on fashion.	
<i>HSE.HS.5.1.a</i>	Compare theories of various fashion movements.
<i>HSE.HS.5.1.b</i>	Compare and contrast fashion trends for different time periods.
<i>HSE.HS.5.1.c</i>	Interpret the impact of fashion cycles on fashion.
<i>HSE.HS.5.1.d</i>	Categorize fashion cycle silhouettes on a timeline.
<i>HSE.HS.5.1.e</i>	Summarize the achievements of famous fashion designers.
<i>HSE.HS.5.1.f</i>	Relate current fashions to various historical influences.
<i>HSE.HS.5.1.g</i>	Interpret the impact of historical costume.
<i>HSE.HS.5.1.h</i>	Distinguish between fashion capital groups based on their fashion house(s).

HSE.HS.5.2	
Evaluate the influence of architecture, interiors, and furnishings throughout history.	
<i>HSE.HS.5.2.a</i>	Distinguish characteristics of different styles of architecture, interiors, furniture, and furnishings.
<i>HSE.HS.5.2.b</i>	Compare and contrast historical architectural details to current housing and interior design trends.
<i>HSE.HS.5.2.c</i>	Illustrate the development of architectural styles throughout history.
<i>HSE.HS.5.2.d</i>	Explain societal and technological trends on periods of architecture and interior design throughout history.
<i>HSE.HS.5.2.e</i>	Analyze design and development trends in architecture, interiors, and furnishings.

HSE.HS.5.3	
Evaluate the design and function of interior space.	
<i>HSE.HS.5.3.a</i>	Evaluate living space needs and apply space management guidelines to interior designs.
<i>HSE.HS.5.3.b</i>	Determine traffic flow, activity, and existing architectural features in creating floor/space plans responding to needs of all populations (including the aging and physically challenged).
<i>HSE.HS.5.3.c</i>	Critique the arrangement of furniture with reference to design principles, traffic pattern, activities, and existing architectural features.
<i>HSE.HS.5.3.d</i>	Evaluate floor plans for efficiency and safety in areas including but not limited to zones, traffic patterns, furniture placement, storage, and electrical, and mechanical systems.

HSE.HS.5.4	
Investigate emerging sustainability trends in design.	
<i>HSE.HS.5.4.a</i>	Compare and contrast environmentally sustainable practices in housing
<i>HSE.HS.5.4.b</i>	Identify sustainable practices in clothing including consumer awareness, upcycling, and supplier practices.

HSE.HS.5.5	
Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.	
HSE.HS.5.5.a	Review and identify characteristics of natural fibers (example: cotton, wool, silk, linen, bamboo, hemp).
HSE.HS.5.5.b	Review and identify characteristics of synthetic and/or manmade fibers (example: polyester, nylon, rayon, acrylic, acetate, spandex, Olefin, fiberglass).
HSE.HS.5.5.c	Assess the characteristics of common fabrics.
HSE.HS.5.5.d	Review and identify various types of fabric finishes (example: stain resistant, fire resistant, wrinkle resistant, waterproof).
HSE.HS.5.5.e	Evaluate methods of coloring, dyeing, printing, and finishing fabrics.
HSE.HS.5.5.f	Explain how fabric selection affects the finish of products
HSE.HS.5.5.g	Explore and identify emerging fibers and fabric technologies (example: antimicrobial, wicking, electronic textiles, performance textiles).

HSE.HS.5.6	
Critique use of appropriate textiles for a design project.	
HSE.HS.5.6.a	Compare fabrics for different purposes in apparel and interiors.
HSE.HS.5.6.b	Examine and select textiles for their quality and appropriateness for use.

HSE.HS.5.7	
Evaluate the use of elements and principles of design.	
HSE.HS.5.7.a	Illustrate the application of elements of design.
HSE.HS.5.7.b	Illustrate the application of principles of design.

HSE.HS.5.8	
Analyze the interactions between color and design.	
HSE.HS.5.8.a	Describe the relationship of the colors and the color wheel.
HSE.HS.5.8.b	Apply knowledge of color to create color schemes.
HSE.HS.5.8.c	Distinguish between basic and complex color schemes and color theory to develop and enhance visual effects.
HSE.HS.5.8.d	Research the psychological and physiological effects of color.

HSE.HS.5.9	
Analyze components of design for their effect on various products.	
HSE.HS.5.9.a	Explain how to use elements and principles of design for the best aesthetics.
HSE.HS.5.9.b	Analyze garment styles and parts and their effect.
HSE.HS.5.9.c	Analyze interior styles and parts and their effect.

HSE.HS.5.10	
Utilize technology to design within the design industry.	
HSE.HS.5.10.a	Create designs using technology commonly used in the apparel industry.
HSE.HS.5.10.b	Create designs using technology commonly used in the interior industry.
HSE.HS.5.10.c	Research technology used with the apparel industry.
HSE.HS.5.10.d	Research technology used with the interior industry.
HSE.HS.5.10.e	Use the appropriate technology tools for conveying information, solving problems and expediting workplace processes.
HSE.HS.5.10.f	Use technology appropriately to effectively present information.

HSE.HS.5.10.g	Demonstrate the technology skills needed for a chosen career field.
HSE.HS.5.10.h	Identify the workplace value of technology tools and applications.

HSE.HS.5.11	
Demonstrate professional skills in using a variety of equipment, tools and supplies for fashion, apparel and textile construction, alteration and repair	
HSE.HS.5.11.a	Create apparel products using methods including flat pattern, pattern alterations, repurposing, and advanced clothing design and construction.
HSE.HS.5.11.b	Demonstrate skills needed to produce, alter, or repair fashion, apparel and textile products.
HSE.HS.5.11.c	Apply sewing construction skills to create textiles.
HSE.HS.5.11.d	Apply appropriate academic skills in apparel construction.
HSE.HS.5.11.e	Present multiple solutions to the problem based on evidence and insights.
HSE.HS.5.11.f	Evaluate solutions and determines the potential value toward solving the problem.
HSE.HS.5.11.g	Employ critical thinking skills independently and in teams to solve problems and make decisions.

HSE.HS.5.12	
Evaluate clients' needs, goals, and resources in creating interior design plans.	
HSE.HS.5.12.a	Relate how geographic locations, safety, security, energy-efficiency, aesthetic preferences, and required maintenance affect housing choices for individuals, families, and communities.
HSE.HS.5.12.b	Assess financial resources need to achieve housing and interior design goals.
HSE.HS.5.12.c	Apply adaptive and universal design concepts to meet client needs.
HSE.HS.5.12.d	Analyze factors affecting housing alternatives and design when assisting clients.
HSE.HS.5.12.e	Evaluate and select furnishings, fixtures, and appliances to meet specific design needs.
HSE.HS.5.12.f	Analyze elements of a problem situation to develop solutions.
HSE.HS.5.12.g	Use acquired academic and technical skills to improve a situation or process.
HSE.HS.5.12.h	Use information, knowledge and experience to generate original ideas and challenge assumptions.

HSE.HS.5.13	
Develop an apparel collection based on client interest.	
HSE.HS.5.13.a	Develop a design concept foundation through customer identification and research.
HSE.HS.5.13.b	Explain the logistical elements required to produce an apparel collection.
HSE.HS.5.13.c	Outline the stages in the apparel design process (i.e. inspiration, research, fabric development, sketching, prototypes, final samples).
HSE.HS.5.13.d	Develop croquis sketch variations to discover design possibilities and solutions.
HSE.HS.5.13.e	Revise the collection through an editing process to maintain a cohesive "look".
HSE.HS.5.13.f	Critique the design collection through a critical editing process.
HSE.HS.5.13.g	Recognize factors, constraints, goals and relationships in a problem situation.
HSE.HS.5.13.h	Use information, knowledge and experience to generate original ideas and challenge assumptions.

HSE.HS.5.14

Apply design knowledge, skills, processes, and oral, written, and visual presentation skills to communicate design ideas.	
HSE.HS.5.14.a	Prepare visual presentations using a variety of media methods to communicate the design concept to the client.
HSE.HS.5.14.b	Prepare an oral presentation of the design concept.
HSE.HS.5.14.c	Represent design solutions to clients through concept development, schematic design, design drawing, and design presentation development.
HSE.HS.5.14.d	Manipulate design plans based on client input.
HSE.HS.5.14.e	Create a design portfolio.
HSE.HS.5.14.f	Prepare presentations to provide information for specific purposes and audiences.
HSE.HS.5.14.g	Deliver presentations that sustain listeners' attention and interest.
HSE.HS.5.14.h	Exhibit professional etiquette in all interactions.

HSE.HS.5.15	
Analyze career paths within the design industry.	
HSE.HS.5.15.a	Explain the roles and functions of individuals engaged in design careers.
HSE.HS.5.15.b	Summarize education, training, and credentialing requirements and opportunities for career pathways in design.
HSE.HS.5.15.c	Analyze the role of professional organizations in design professions.
HSE.HS.5.15.d	Analyze personal attitudes, traits, and values of design professionals with regard to responsibility, accountability, ethics, and effectiveness.
HSE.HS.5.15.e	Create an employment portfolio for use with applying for internships and work-based learning opportunities in design careers.
HSE.HS.5.15.f	Produce a record of education and work experiences, licenses, certifications and projects/products to include in a portfolio.
HSE.HS.5.15.g	Present a professional image appropriate for the job interview.
HSE.HS.5.15.h	Communicate experiences, knowledge and skills identified in the resume and portfolio when interviewing.

HSE.HS.5.16	
Apply business principles in the design industry.	
HSE.HS.5.16.a	Deconstruct how products are priced for selling (material costs, labor costs, overhead costs).
HSE.HS.5.16.b	Apply the basics of the 4P's of marketing (product, place, price, promotion).
HSE.HS.5.16.c	Understand the knowledge and skills required of an entrepreneur.
HSE.HS.5.16.d	Describe the opportunities for entrepreneurship in a given industry.
HSE.HS.5.16.e	Weigh the opportunities, benefits and risks of entrepreneurship versus employment in a career.

HSE.HS.5.17	
Analyze professional practice and procedures for business profitability and career success in design industry.	
HSE.HS.5.17.a	Demonstrate measuring, estimating, ordering, purchasing, and pricing skills for design products.
HSE.HS.5.17.b	Analyze personal and employer responsibilities and liabilities.

<i>HSE.HS.5.17.c</i>	Examine the progression of ethical practices in the design industry (sustainability--public health, welfare, environment; environmental responsibility; human ethical impact of fibers used in the industry--labor, labeling information).
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Introduction to Design

Course Description

Students explore the definition and application of elements and principles of design in both living spaces and clothing and textiles. In this course, students will also evaluate the use of elements and principles and suggest improvements. Students are also exposed to career opportunities and the skills necessary for these career fields.

Course Code:

090205

Endorsements to

Teach:

FACS

**Programs of Study to
which this Course
applies**

HSE.HS.5 Design

HSE.HS.5.5	
Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.	
<i>HSE.HS.5.5.a</i>	Review and identify characteristics of natural fibers (example: cotton, wool, silk, linen, bamboo, hemp).
<i>HSE.HS.5.5.b</i>	Review and identify characteristics of synthetic and/or manmade fibers (example: polyester, nylon, rayon, acrylic, acetate, spandex, Olefin, fiberglass).
<i>HSE.HS.5.5.c</i>	Assess the characteristics of common fabrics.
<i>HSE.HS.5.5.d</i>	Review and identify various types of fabric finishes (example: stain resistant, fire resistant, wrinkle resistant, waterproof).
HSE.HS.5.6	
Critique use of appropriate textiles for a design project.	
<i>HSE.HS.5.6.a</i>	Compare fabrics for different purposes in apparel and interiors.
<i>HSE.HS.5.6.b</i>	Examine and select textiles for their quality and appropriateness for use.
HSE.HS.5.7	
Evaluate the use of elements and principles of design.	
<i>HSE.HS.5.7.a</i>	Illustrate the application of elements of design.
<i>HSE.HS.5.7.b</i>	Illustrate the application of principles of design.
HSE.HS.5.8	
Analyze the interactions between color and design.	
<i>HSE.HS.5.8.a</i>	Describe the relationship of the colors and the color wheel.
<i>HSE.HS.5.8.b</i>	Apply knowledge of color to create color schemes.
<i>HSE.HS.5.8.c</i>	Distinguish between basic and complex color schemes and color theory to develop and enhance visual effects.
<i>HSE.HS.5.8.d</i>	Research the psychological and physiological effects of color.

HSE.HS.5.9

Analyze components of design for their effect on various products.

HSE.HS.5.9.a Explain how to use elements and principles of design for the best aesthetics.**HSE.HS.5.10**

Utilize technology to design within the design industry.

HSE.HS.5.10.c Research technology used with the apparel industry.**HSE.HS.5.10.d** Research technology used with the interior industry.**HSE.HS.5.10.e** Use the appropriate technology tools for conveying information, solving problems and expediting workplace processes.**HSE.HS.5.10.f** Use technology appropriately to effectively present information.**HSE.HS.5.14**

Apply design knowledge, skills, processes, and oral, written, and visual presentation skills to communicate design ideas.

HSE.HS.5.14.f Prepare presentations to provide information for specific purposes and audiences.**HSE.HS.5.14.g** Deliver presentations that sustain listeners' attention and interest.**HSE.HS.5.15**

Analyze career paths within the design industry.

HSE.HS.5.15.a Explain the roles and functions of individuals engaged in design careers.**HSE.HS.5.15.b** Summarize education, training, and credentialing requirements and opportunities for career pathways in design.**HSE.HS.5.15.c** Analyze the role of professional organizations in design professions.**HSE.HS.5.15.d** Analyze personal attitudes, traits, and values of design professionals with regard to responsibility, accountability, ethics, and effectiveness.

Textile Construction

Course Description

This course provides instruction in social, psychological and historical aspects of clothing and textiles. Textile and apparel design, selection, construction, maintenance and alteration of textile products will be analyzed and taught. This course integrates knowledge, skills, and practices required for careers in textiles and scientific research

Course Code:

090103

Endorsements to

Teach:

FACS

Programs of Study to

which this Course

applies

HSE.HS.5 Design

HSE.HS.5.5	
Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.	
<i>HSE.HS.5.5.e</i>	Evaluate methods of coloring, dyeing, printing, and finishing fabrics.
<i>HSE.HS.5.5.f</i>	Explain how fabric selection affects the finish of products.
<i>HSE.HS.5.5.g</i>	Explore and identify emerging fibers and fabric technologies (example: antimicrobial, wicking, electronic textiles, performance textiles).
HSE.HS.5.6	
Critique use of appropriate textiles for a design project.	
<i>HSE.HS.5.6.b</i>	Examine and select textiles for their quality and appropriateness for use
HSE.HS.5.10	
Utilize technology to design within the design industry.	
<i>HSE.HS.5.10.a</i>	Create designs using technology commonly used in the apparel industry.
<i>HSE.HS.5.10.e</i>	Use the appropriate technology tools for conveying information, solving problems and expediting workplace processes.
<i>HSE.HS.5.10.g</i>	Demonstrate the technology skills needed for a chosen career field.
<i>HSE.HS.5.10.h</i>	Identify the workplace value of technology tools and applications.
HSE.HS.5.11	
Demonstrate professional skills in using a variety of equipment, tools and supplies for fashion, apparel and textile construction, alteration and repair.	
<i>HSE.HS.5.11.a</i>	Create apparel products using methods including flat pattern, pattern alterations, repurposing, and advanced clothing design and construction.
<i>HSE.HS.5.11.b</i>	Demonstrate skills needed to produce, alter, or repair fashion, apparel and textile products.
<i>HSE.HS.5.11.c</i>	Apply sewing construction skills to create textiles.

HSE.HS.5.11.d	Apply appropriate academic skills in apparel construction.
HSE.HS.5.11.e	Present multiple solutions to the problem based on evidence and insights.
HSE.HS.5.11.f	Evaluate solutions and determines the potential value toward solving the problem.
HSE.HS.5.11.g	Employ critical thinking skills independently and in teams to solve problems and make decisions.

HSE.HS.5.14

Apply design knowledge, skills, processes, and oral, written, and visual presentation skills to communicate design ideas.

HSE.HS.5.14.a	Prepare visual presentations using a variety of media methods to communicate the design concept to the client.
HSE.HS.5.14.b	Prepare an oral presentation of the design concept.
HSE.HS.5.14.c	Represent design solutions to clients through concept development, schematic design, design drawing, and design presentation development.
HSE.HS.5.14.d	Manipulate design plans based on client input.
HSE.HS.5.14.e	Create a design portfolio.
HSE.HS.5.14.f	Prepare presentations to provide information for specific purposes and audiences.
HSE.HS.5.14.g	Deliver presentations that sustain listeners' attention and interest.
HSE.HS.5.14.h	Exhibit professional etiquette in all interactions.

HSE.HS.5.15

Analyze career paths within the design industry.

HSE.HS.5.15.e	Create an employment portfolio for use with applying for internships and work-based learning opportunities in design careers.
HSE.HS.5.15.f	Produce a record of education and work experiences, licenses, certifications and projects/products to include in a portfolio.
HSE.HS.5.15.g	Present a professional image appropriate for the job interview.
HSE.HS.5.15.h	Communicate experiences, knowledge and skills identified in the resume and portfolio when interviewing.

HSE.HS.5.16

Apply business principles in the design industry.

HSE.HS.5.16.a	Deconstruct how products are priced for selling (material costs, labor costs, overhead costs).
HSE.HS.5.16.b	Apply the basics of the 4P's of marketing (product, place, price, promotion).
HSE.HS.5.16.c	Understand the knowledge and skills required of an entrepreneur.
HSE.HS.5.16.d	Describe the opportunities for entrepreneurship in a given industry.
HSE.HS.5.16.e	Weigh the opportunities, benefits and risks of entrepreneurship versus employment in a career.

HSE.HS.5.17

Analyze professional practice and procedures for business profitability and career success in design industry.

HSE.HS.5.17.a	Demonstrate measuring, estimating, ordering, purchasing, and pricing skills for design products.
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<i>HSE.HS.5.17.b</i>	Analyze personal and employer responsibilities and liabilities.
<i>HSE.HS.5.17.c</i>	Examine the progression of ethical practices in the design industry (sustainability--public health, welfare, environment; environmental responsibility; human ethical impact of fibers used in the industry--labor, labeling information).

Fashion Design

Course Description

Fashion Design explores the evolving field of the clothing we wear and why we wear it. Students will examine fashion design through historical and current frameworks, consider the process of a design from concept to consumer purchase, and identify key components of fashion pieces that distinguish it from others.

Course Code:

090206

Endorsements to

Teach:

FACS

Programs of Study to which this Course applies

HSE.HS.5 Design

HSE.HS.5.1	
Evaluate the influence of history on fashion.	
<i>HSE.HS.5.1.a</i>	Compare theories of various fashion movements.
<i>HSE.HS.5.1.b</i>	Compare and contrast fashion trends for different time periods.
<i>HSE.HS.5.1.c</i>	Interpret the impact of fashion cycles on fashion.
<i>HSE.HS.5.1.d</i>	Categorize fashion cycle silhouettes on a timeline.
<i>HSE.HS.5.1.e</i>	Summarize the achievements of famous fashion designers.
<i>HSE.HS.5.1.f</i>	Relate current fashions to various historical influences.
<i>HSE.HS.5.1.g</i>	Interpret the impact of historical costume.
<i>HSE.HS.5.1.h</i>	Distinguish between fashion capital groups based on their fashion house(s).

HSE.HS.5.4	
Investigate emerging sustainability trends in design.	
<i>HSE.HS.5.4.b</i>	Identify sustainable practices in clothing including consumer awareness, upcycling, and supplier practices.

HSE.HS.5.5	
Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.	
<i>HSE.HS.5.5.e</i>	Evaluate methods of coloring, dyeing, printing, and finishing fabrics.
<i>HSE.HS.5.5.f</i>	Explain how fabric selection affects the finish of products.
<i>HSE.HS.5.5.g</i>	Explore and identify emerging fibers and fabric technologies (example: antimicrobial, wicking, electronic textiles, performance textiles).

HSE.HS.5.6	
Critique use of appropriate textiles for a design project.	
<i>HSE.HS.5.6.b</i>	Examine and select textiles for their quality and appropriateness for use.

HSE.HS.5.9	
Analyze components of design for their effect on various products.	

HSE.HS.5.9.a	Explain how to use elements and principles of design for the best aesthetics.
HSE.HS.5.9.b	Analyze garment styles and parts and their effect.

HSE.HS.5.10	
Utilize technology to design within the design industry.	
HSE.HS.5.10.a	Create designs using technology commonly used in the apparel industry.
HSE.HS.5.10.c	Research technology used with the apparel industry.
HSE.HS.5.10.e	Use the appropriate technology tools for conveying information, solving problems and expediting workplace processes.
HSE.HS.5.10.f	Use technology appropriately to effectively present information.
HSE.HS.5.10.g	Demonstrate the technology skills needed for a chosen career field.
HSE.HS.5.10.h	Identify the workplace value of technology tools and applications.

HSE.HS.5.13	
Develop an apparel collection based on client interest.	
HSE.HS.5.13.a	Develop a design concept foundation through customer identification and research.
HSE.HS.5.13.b	Explain the logistical elements required to produce an apparel collection.
HSE.HS.5.13.c	Outline the stages in the apparel design process (i.e. inspiration, research, fabric development, sketching, prototypes, final samples).
HSE.HS.5.13.d	Develop croquis sketch variations to discover design possibilities and solutions.
HSE.HS.5.13.e	Revise the collection through an editing process to maintain a cohesive "look".
HSE.HS.5.13.f	Critique the design collection through a critical editing process.
HSE.HS.5.13.g	Recognize factors, constraints, goals and relationships in a problem situation.
HSE.HS.5.13.h	Use information, knowledge and experience to generate original ideas and challenge assumptions.

HSE.HS.5.14	
Apply design knowledge, skills, processes, and oral, written, and visual presentation skills to communicate design ideas.	
HSE.HS.5.14.a	Prepare visual presentations using a variety of media methods to communicate the design concept to the client.
HSE.HS.5.14.b	Prepare an oral presentation of the design concept.
HSE.HS.5.14.c	Represent design solutions to clients through concept development, schematic design, design drawing, and design presentation development.
HSE.HS.5.14.d	Manipulate design plans based on client input.
HSE.HS.5.14.e	Create a design portfolio.
HSE.HS.5.14.f	Prepare presentations to provide information for specific purposes and audiences.
HSE.HS.5.14.g	Deliver presentations that sustain listeners' attention and interest.
HSE.HS.5.14.h	Exhibit professional etiquette in all interactions.

HSE.HS.5.15	
Analyze career paths within the design industry.	
HSE.HS.5.15.e	Create an employment portfolio for use with applying for internships and work-based learning opportunities in design careers.
HSE.HS.5.15.f	Produce a record of education and work experiences, licenses, certifications and projects/products to include in a portfolio.

<i>HSE.HS.5.15.g</i>	Present a professional image appropriate for the job interview.
<i>HSE.HS.5.15.h</i>	Communicate experiences, knowledge and skills identified in the resume and portfolio when interviewing.

HSE.HS.5.16

Apply business principles in the design industry.	
<i>HSE.HS.5.16.a</i>	Deconstruct how products are priced for selling (material costs, labor costs, overhead costs).
<i>HSE.HS.5.16.b</i>	Apply the basics of the 4P's of marketing (product, place, price, promotion).
<i>HSE.HS.5.16.c</i>	Understand the knowledge and skills required of an entrepreneur.
<i>HSE.HS.5.16.d</i>	Describe the opportunities for entrepreneurship in a given industry.
<i>HSE.HS.5.16.e</i>	Weigh the opportunities, benefits and risks of entrepreneurship versus employment in a career.

HSE.HS.5.17

Analyze professional practice and procedures for business profitability and career success in design industry.	
<i>HSE.HS.5.17.a</i>	Demonstrate measuring, estimating, ordering, purchasing, and pricing skills for design products.
<i>HSE.HS.5.17.b</i>	Analyze personal and employer responsibilities and liabilities.
<i>HSE.HS.5.17.c</i>	Examine the progression of ethical practices in the design industry (sustainability--public health, welfare, environment; environmental responsibility; human ethical impact of fibers used in the industry--labor, labeling information).

Home Design and Interiors

Course Description

This course provides instruction in the physical, physiological and social influences of housing styles and options; exterior and interior design; selection, use and care of home furnishings and equipment; use of available resources for achieving improved living space to meet individual and family needs; and exposure to careers related to housing and interior design.

Course Code:

090109

Endorsements to

Teach:

FACS

Programs of Study to which this Course applies

HSE.HS.5 Design

HSE.HS.5.2	
Evaluate the influence of architecture, interiors, and furnishings throughout history.	
<i>HSE.HS.5.2.a</i>	Distinguish characteristics of different styles of architecture, interiors, furniture, and furnishings.
<i>HSE.HS.5.2.b</i>	Compare and contrast historical architectural details to current housing and interior design trends.
<i>HSE.HS.5.2.c</i>	Illustrate the development of architectural styles throughout history.
<i>HSE.HS.5.2.d</i>	Explain societal and technological trends on periods of architecture and interior design throughout history.
<i>HSE.HS.5.2.e</i>	Analyze design and development trends in architecture, interiors, and furnishings.
HSE.HS.5.3	
Evaluate the design and function of interior space.	
<i>HSE.HS.5.3.a</i>	Evaluate living space needs and apply space management guidelines to interior designs.
<i>HSE.HS.5.3.b</i>	Determine traffic flow, activity, and existing architectural features in creating floor/space plans responding to needs of all populations (including the aging and physically challenged).
<i>HSE.HS.5.3.c</i>	Critique the arrangement of furniture with reference to design principles, traffic pattern, activities, and existing architectural features.
<i>HSE.HS.5.3.d</i>	Evaluate floor plans for efficiency and safety in areas including but not limited to zones, traffic patterns, furniture placement, storage, and electrical, and mechanical systems.
HSE.HS.5.4	
Investigate emerging sustainability trends in design.	
<i>HSE.HS.5.4.a</i>	Compare and contrast environmentally sustainable practices in housing.

HSE.HS.5.5	
Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.	
HSE.HS.5.5.e	Evaluate methods of coloring, dyeing, printing, and finishing fabrics.
HSE.HS.5.5.f	Explain how fabric selection affects the finish of products.
HSE.HS.5.5.g	Explore and identify emerging fibers and fabric technologies (example: antimicrobial, wicking, electronic textiles, performance textiles).

HSE.HS.5.9	
Analyze components of design for their effect on various products.	
HSE.HS.5.9.a	Explain how to use elements and principles of design for the best aesthetics.
HSE.HS.5.9.c	Analyze interior styles and parts and their effect.

HSE.HS.5.10	
Utilize technology to design within the design industry.	
HSE.HS.5.10.b	Create designs using technology commonly used in the interior industry.
HSE.HS.5.10.d	Research technology used with the interior industry.
HSE.HS.5.10.e	Use the appropriate technology tools for conveying information, solving problems and expediting workplace processes.
HSE.HS.5.10.f	Use technology appropriately to effectively present information.
HSE.HS.5.10.g	Demonstrate the technology skills needed for a chosen career field.
HSE.HS.5.10.h	Identify the workplace value of technology tools and applications.

HSE.HS.5.12	
Evaluate clients' needs, goals, and resources in creating interior design plans.	
HSE.HS.5.12.a	Relate how geographic locations, safety, security, energy-efficiency, aesthetic preferences, and required maintenance affect housing choices for individuals, families, and communities.
HSE.HS.5.12.b	Assess financial resources need to achieve housing and interior design goals.
HSE.HS.5.12.c	Apply adaptive and universal design concepts to meet client needs.
HSE.HS.5.12.d	Analyze factors affecting housing alternatives and design when assisting clients.
HSE.HS.5.12.e	Evaluate and select furnishings, fixtures, and appliances to meet specific design needs.
HSE.HS.5.12.f	Analyze elements of a problem situation to develop solutions.
HSE.HS.5.12.g	Use acquired academic and technical skills to improve a situation or process.
HSE.HS.5.12.h	Use information, knowledge and experience to generate original ideas and challenge assumptions.

HSE.HS.5.14	
Apply design knowledge, skills, processes, and oral, written, and visual presentation skills to communicate design ideas.	
HSE.HS.5.14.a	Prepare visual presentations using a variety of media methods to communicate the design concept to the client.
HSE.HS.5.14.b	Prepare an oral presentation of the design concept.
HSE.HS.5.14.c	Represent design solutions to clients through concept development, schematic design, design drawing, and design presentation development.
HSE.HS.5.14.d	Manipulate design plans based on client input.
HSE.HS.5.14.e	Create a design portfolio.

<i>HSE.HS.5.14.f</i>	Prepare presentations to provide information for specific purposes and audiences.
<i>HSE.HS.5.14.g</i>	Deliver presentations that sustain listeners' attention and interest.
<i>HSE.HS.5.14.h</i>	Exhibit professional etiquette in all interactions.

HSE.HS.5.15	
Analyze career paths within the design industry.	
<i>HSE.HS.5.15.e</i>	Create an employment portfolio for use with applying for internships and work-based learning opportunities in design careers.
<i>HSE.HS.5.15.f</i>	Produce a record of education and work experiences, licenses, certifications and projects/products to include in a portfolio.
<i>HSE.HS.5.15.g</i>	Present a professional image appropriate for the job interview.
<i>HSE.HS.5.15.h</i>	Communicate experiences, knowledge and skills identified in the resume and portfolio when interviewing.

HSE.HS.5.16	
Apply business principles in the design industry.	
<i>HSE.HS.5.16.a</i>	Deconstruct how products are priced for selling (material costs, labor costs, overhead costs).
<i>HSE.HS.5.16.b</i>	Apply the basics of the 4P's of marketing (product, place, price, promotion).
<i>HSE.HS.5.16.c</i>	Understand the knowledge and skills required of an entrepreneur.
<i>HSE.HS.5.16.d</i>	Describe the opportunities for entrepreneurship in a given industry.
<i>HSE.HS.5.16.e</i>	Weigh the opportunities, benefits and risks of entrepreneurship versus employment in a career.

HSE.HS.5.17	
Analyze professional practice and procedures for business profitability and career success in design industry.	
<i>HSE.HS.5.17.a</i>	Demonstrate measuring, estimating, ordering, purchasing, and pricing skills for design products.
<i>HSE.HS.5.17.b</i>	Analyze personal and employer responsibilities and liabilities.
<i>HSE.HS.5.17.c</i>	Examine the progression of ethical practices in the design industry (sustainability--public health, welfare, environment; environmental responsibility; human ethical impact of fibers used in the industry--labor, labeling information).

Knowledge and Skill Statements
KSS 1 Analyze design components for aesthetics, form, and function.
KSS 2 Evaluate fibers and fabrics characteristics.
KSS 3 Create with elements and principles of design.
KSS 4 Create a design based on needs of a client.
KSS 5 Propose different entrepreneurial services related to design.