# Florida Department Of Education CLUSTER CURRICULUM FRAMEWORK

Program Title: Interior Design Services

Cluster Type: Job Preparatory

Occupational Area: Family and Consumer Sciences

Components: One Program, Two Occupational Completion Points

PSAV Secondary <del>V040</del>503 Program Number: 8527010 9-12, 30, 31 30, 31 Grade Level 7 credits 1050 hours Length Facility Code 203 203

CTSO FCCLA

Yes Co-op Method Yes Apprenticeship Yes Yes

Certification HOMEMAKING @2¢7 HOMEMAKING @2 @7 G

HOME EC 1 @2 HOME EC 1 @2 GEN HME EC @2 @4 GEN HME EC @2 @4 HME EC OCC ¢7 HME EC OCC @7 G VOC HME EC @2 @4 VOC HME EC @2 @4

Basic Skills Level

Math 8 Language Reading 8

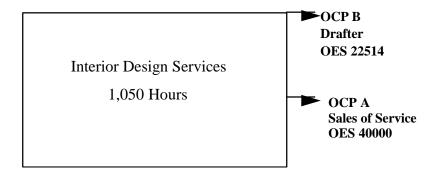
I. PURPOSE: The purpose of this program is to prepare students for employment or advanced training in the residential and commercial decoration and design industry.

This program focuses on broad, transferable skills, stresses the understanding of all aspects of the residential and commercial decoration and design industry, and demonstrates such elements of the industry as planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.

STRUCTURE: This program is a planned sequence of instruction II. consisting of two occupational completion points. The recommended sequence allows students to complete specified portions of the program for employment or to remain for advanced training. A student who completes the applicable competencies at the first occupational completion point may either continue the training program or terminate as an occupational completer.

This program may be offered at both secondary and postsecondary adult vocational (PSAV) levels.

The following diagram illustrates the **Interior Design Program:** 



At the secondary level, the Decor and Design Services program consists of the following courses:

# 8527010 - DECOR AND DESIGN - 7 Secondary Credits

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8527011 - Interior Design Services 1
8527012 - Interior Design Services 2
8527013 - Interior Design Services 3
8527014 - Interior Design Services 4
8527015 - Interior Design Services 5
8527016 - Interior Design Services 6
8527017 - Interior Design Services 7
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V040503 - DECOR AND DESIGN

- III. <u>LABORATORY ACTIVITIES</u>: Classroom, shop, and laboratory activities and computer-aided design systems are an integral part of this program. These activities include training in the general maintenance and safe use of all instructional resources. A generic equipment list for this program is available.
- IV. SPECIAL NOTE: Family, Career and Community Leaders of America (FCCLA), is the appropriate career and technical student organization (ctso) for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations, when provided, shall be integral part of the instructional program, and the activities of such organizations are defined as part of the curriculum in accordance with Rule 6A-6.065, FAC.

This program may be offered in postsecondary adult vocational (PSAV) courses. Vocational credit shall be awarded to the student on a transcript in accordance with Section 230.643, F.S.

The standard program length for this program is 1050 hours. Cooperative training - OJT is appropriate for this program. Whenever cooperative training - OJT is offered, the following are required for each student: a training plan, signed by the student, teacher, and employer, which includes instructional objectives and a list of on-the-job and in-school learning experiences; a workstation that reflects equipment, skills and

tasks that are relevant to the occupation which the student has chosen as a career goal. The student must receive compensation for work performed.

In accordance with Rule 6A-10.040, FAC, the minimum basic-skills grade levels required for adult vocational students to exit this program are: Mathematics 9.0, Language 9.0, Reading 9.0. These grade-level numbers correspond to grade-equivalent scores obtained on one of the state-designated basic-skills examinations. If a student does not meet the basic-skills level required for completion of the program, remediation should be provided concurrently through Vocational Preparatory Instruction (VPI) or a remedial lab. Please refer to the Rule for exemptions.

When a secondary student with a disability is enrolled in a vocational class with modifications to the curriculum framework, the particular outcomes and student performance standards that the student must master to earn credit must be specified on an individual basis. The job or jobs for which the student is being trained should be reflected in the student's desired post school outcome statement on the Transition Individual Educational Plan (Transition IEP).

SCANS Competencies: To accomplish the Secretary's Commission on Achieving Necessary Skills (SCANS) competencies, the instructional strategies for this program must include methods that require students to identify, organize, and use resources appropriately; to work with each other cooperatively and productively; to acquire and use information; to understand social, organizational, and technological systems; and to work with a variety of tools and equipment. Instructional strategies must also incorporate methods to improve students' personal qualities and higher-order thinking skills.

V. <u>INTENDED OUTCOMES</u>: After successfully completing the appropriate course(s) for each occupational completion point of this program, the student will be able to perform the following:

# OCCUPATIONAL COMPLETION POINT - DATA CODE A

SALES OF SERVICES - OES 40000

- 01.0 Explore career paths in interior design services.
- 02.0 Describe the relationship of human factors to the housing environment.
- 03.0 Analyze the principles of color and design.
- 04.0 Describe the basic interior-design components.
- 05.0 Exhibit employability skills.
- 06.0 Demonstrate an understanding of the elements and principles of design.
- 07.0 Explain the importance of energy conservation in design.
- 08.0 Select and use tools and equipment safely.
- 09.0 Demonstrate sales skills.
- 10.0 Demonstrate leadership and membership skills.
- 11.0 Plan and develop a design project.
- 12.0 Demonstrate sales techniques in decor and design.
- 13.0 Demonstrate an understanding of entrepreneurship.
- 14.0 Demonstrate ability to use interior design services software.
- 15.0 Schedule and participate in job shadowing.

### OCCUPATIONAL COMPLETION POINT - DATA CODE B

DRAFTER - OES 22514

- 16.0 Identify basic decorative styles.
- 17.0 Analyze and apply energy-conservation materials.
- 18.0 Identify and select furniture for appropriate application.
- 19.0 Identify and select floor coverings for appropriate application.
- 20.0 Identify and select wall treatments for appropriate application.
- 21.0 Identify and select window treatments for appropriate application.
- 22.0 Identify and select accessories for appropriate application.
- 23.0 Identify, select, and place lighting fixtures for appropriate application.
- 24.0 Plan for interior spaces, applying drafting software techniques.
- 25.0 Plan and implement an interior-design project to meet a client's needs.
- 26.0 Develop a portfolio per industry needs.

# Florida Department Of Education STUDENT PERFORMANCE STANDARDS

#### OCCUPATIONAL COMPLETION POINT - DATA CODE A

- 01.0 EXPLORE CAREER PATHS IN INTERIOR DESIGN SERVICES -- The student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3
  - 01.01 Explain the roles and importance of the decor and design industry in relation to the quality of life.
  - 01.02 Identify employment, career-growth, and advanced-training opportunities in the decor and design profession.
  - 01.03 Identify responsibilities for each job in the career ladder.
  - 01.04 Explain training needs for career advancement.
  - 01.05 Analyze the personal and professional qualities required for employment in the profession.
- 02.0 DESCRIBE THE RELATIONSHIP OF HUMAN FACTORS TO THE HOUSING ENVIRONMENT--The student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3, VA.B.1.4.4
  - 02.01 Explain the impact of human factors (such as psychological, physiological, and social needs) on housing decisions.
  - 02.02 Compare and describe housing alternatives in a written or visual report.
  - 02.03 Identify and describe the housing modifications necessary to accommodate the special needs of family members.
  - 02.04 Identify and describe the impact of human needs and wants on the cost of housing.
  - 02.05 Identify and describe the importance of barrier-free design.
- 03.0 ANALYZE THE PRINCIPLES OF COLOR AND DESIGN—After a teacher demonstration, textbook/multi-media research or a professional presentation, the student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.C.3.4.3, VA.A.1.4.3, VA.B.1.4.4, VA.B.1.4.2, VA.B.1.4.3, VA.B.1.4.4, VA.E.1.4.3
  - 03.01 Identify the elements and principles of design.
  - 03.02 Apply the elements and principles of design to housing environments.
  - 03.03 Create a plan using color and color schemes in a design.
- 04.0 <u>DESCRIBE THE BASIC INTERIOR-DESIGN COMPONENTS</u>--The student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3, VA.A.1.4.3, VA.B.1.4.2, VA.B.1.4.3, VA.B.1.4.4, VA.E.1.4.3
  - 04.01 Identify and describe the basic characteristics and uses of floor coverings, wall treatments, window treatments, and accessories, synthesizing knowledge gained.
  - 04.02 Characteristics and uses of window treatments and accessories.

- 04.03 Identify and describe various furniture styles.
- 04.04 Select furnishings for specific spaces using the principles of design.
- 05.0 <u>EXHIBIT EMPLOYABILITY SKILLS</u>--The student will be able to:
  - LA.A.2.4.4, LA.C.1.4.1, HE.B.1.4.3, HE.B.3.4.4
  - 05.01 Identify job-availability and advanced-training opportunities. In the are of interior design.
  - 05.02 Demonstrate productive work habits and positive attitudes.
  - 05.03 Demonstrate acceptable personal and professional hygiene.
  - 05.04 Apply the principles of time management, work simplification, and teamwork when performing assigned tasks.
  - 05.05 Demonstrate pride in the quality of work performed.
- 6.0 DEMONSTRATE AN UNDERSTANDING OF THE ELEMENTS AND PRINCIPLES OF DESIGN—After a teacher demonstration, textbook/multimedia research or professional presentation, the student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3, VA.A.1.4.1, VA.A.1.4.3
  - 06.01 Identify and explain the elements of design in relation to the interior environment through written/oral reporting or demonstrations:
    - a. texture
    - b. pattern
    - c. line
    - d. form and shape
    - e. space
    - f. color
    - g. light
  - 06.02 Identify and explain the principles of interior design using a variety of research and reporting methods:
    - a. proportion
    - b. scale
    - c. balance
    - d. rhythm
    - e. emphasis
    - f. harmony
- 07.0 EXPLAIN THE IMPORTANCE OF ENERGY CONSERVATION IN DESIGN--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, MA.B.3.4.1
  - 07.01 Identify and describe in a written report, the methods and materials used to increase energy efficiency.
  - 07.02 Explain the importance of energy conservation in design.
  - 07.03 Identify and describe energy sources.
  - 07.04 Research and analyze energy conservation concerns affecting future design concepts and describe its possible effects on the environment.
- 08.0 SELECT AND USE TOOLS AND EQUIPMENT SAFELY—After a teacher demonstration or textbook/multi-media research, he student will be able to:

- LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3
- 08.01 Identify the tools and equipment used in decor and design services.
- 08.02 Select the appropriate tools and equipment for assigned projects.
- 08.03 Demonstrate the proper and safe use of tools and equipment.
- 08.04 Clean and maintain various types of tools and equipment.
- 08.05 Keep an inventory record of tools, equipment, supplies, and materials, using computer-application software, if possible.
- 08.06 Explain the importance of observing Occupational Safety and Health Administration (OSHA) rules and regulations.
- 09.0 DEMONSTRATE SALES SKILLS--The student will be able to:

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LA.A.1.4.3, LA.A.2.4.4, LA.A.2.4.6, LA.B.2.4.4, LA.B.2.4.1,
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- LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.1, LA.C.3.4.2, LA.C.3.4.3,
- MA.B.3.4.1, HE.B.3.4.2, HE.B.3.4.3
- 09.01 Demonstrate customer satisfaction, exercising self control
- 09.02 Identify and demonstrate appropriate responses to criticism and praise.
- 09.03 Recognize the relationship between positive human relations and success in the industry.
- 09.04 Demonstrate respect for the customer's desires and property.
- 09.05 Read and interpret pricing tables and diagrams of products used in interior design.
- 09.06 Fill out sales receipts, purchase orders, and invoices.
- 09.07 Demonstrate appropriate computer and telecommunications skills used in the interior design field.
- 10.0 <u>DEMONSTRATE LEADERSHIP AND MEMBERSHIP SKILLS</u>--The student will be able to:

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LA.C.1.4.1, LA.C.1.4.2, LA.C.1.4.3, LA.C.1.4.4, MA.A.4.4.1,
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- MA.A.4.4.3, MA.A.4.4.4, MA.E.3.4.1, MA.E.3.4.2, HE.B.3.4.1,
- HE.B.3.4.2, HE.B.3.4.3, HE.B.3.4.4, HE.B.3.4.5, HE.B.3.4.6,
- HE.C.1.4.5, HE.C.1.4.6, HE.C.2.4.4, HE.C.2.4.5, HE.C.2.4.6
- 10.01 Identify professional and youth organizations.
- 10.02 Identify purposes and functions of professional and youth organizations.
- 10.03 Identify roles and responsibilities of members of professional and youth organizations.
- 10.04 Work cooperatively as a group member to achieve organizational goals.
- 10.05 Demonstrate confidence in leadership roles and organizational responsibilities.
- 10.06 Demonstrate commitment to achieve organizational goals.
- 11.0 PLAN AND DEVELOP A DESIGN PROJECT -- The student will be able to:
  - ${\tt LA.A.1.4.3},\ {\tt LA.A.2.4.4},\ {\tt LA.B.1.4.1},\ {\tt LA.B.1.4.2},\ {\tt LA.B.1.4.3},$
  - ${\tt LA.B.1.4.4,\ MA.B.3.4.1,\ MA.B.4.4.1,\ MA.B.4.4.2,\ VA.A.1.4.3,}$
  - VA.A.1.4.4, VA.B.1.4.1, VA.B.1.4.2, VA.B.1.4.3, VA.B.1.4.4,
  - VA.C.1.4.1, VA.E.1.4.2
  - 11.01 Plan and report on a design project, using established criteria.

- 11.02 Calculate the areas, sizes, circumferences, square footage, etc., of a design project.
- 11.03 Select appropriate materials and products for the project (such as floor covering, window treatment, wall treatment, upholstery, and accessories), applying the principles of color and design.
- 11.04 Measure and calculate the materials needed for the project.
- 11.05 Estimate the number of products needed.
- 11.06 Calculate the cost of materials and products for the project.
- 11.07 Develop the design project, using computer technology.
- 12.0 DEMONSTRATE SALES TECHNIQUES IN DECOR AND DESIGN--The student will be able to:
  - LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.1.4.1, LA.C.1.4.3, LA.C.3.4.1, LA.C.3.4.2, LA.C.3.4.3, LA.C.3.4.4, VA.A.1.4.3, VA.E.1.4.3
  - 12.01 Identify, ask and answer questions coherently and concisely.
  - 12.02 Read and follow written instructions or listen to and follow oral instructions.
  - 12.03 Give sales presentations orally and in writing.
  - 12.04 Find information on sales products and services.
  - 12.05 Research and recommend decor and design products that meet the customer's needs based upon customer specifications.
  - 12.06 Demonstrate appropriate computer and telecommunication skills.
  - 12.07 Perform sales transactions using computer skills.
- 13.0 DEMONSTRATE AN UNDERSTANDING OF ENTREPRENEURSHIP -- The student will be able to:
  - LA.A.1.4.3, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3, LA.C.3.4.3
  - 13.01 Define "entrepreneurship."
  - 13.02 Debate the advantages and disadvantages of business ownership through a written and/or oral presentation.
  - 13.03 Identify and describe, orally or in writing, the responsibilities of the entrepreneur.
- 14.0 <u>DEMONSTRATE THE ABILITY TO USE INTERIOR DESIGN SOFTWARE</u>--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3 LA.B.2.4.4, LA.C.3.4.3, VA.A.1.4.3, VA.E.1.4.2
  - 14.01 Research and list software available in the area of interior design.
  - 14.02 Identify and discuss the benefits of using software in today's work place.
  - 14.03 Develop a mini project using interior design software.
- 15.0 SCHEDULE AND PARTICIPATE IN INTERIOR DESIGN SERVICES JOB SHADOWING--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.3.4.4, VA.A.1.4.3, VA.C.1.4.1, VA.D.1.4.2,
  - VA.E.1.4.1, VA.E.1.4.2, VA.E.1.4.3

- 15.01 Research persons working in the interior design services profession within the local area.
- 15.02 Formalize in writing a job shadowing experience, applying knowledge gained within the program and using the guidelines set by the district, instructor and employer

# OCCUPATIONAL COMPLETION POINT - DATA CODE B

DRAFTER - OES 22514

16.0 IDENTIFY BASIC DECORATIVE STYLES--The student will be able to:

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LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, SC.G.2.4.5, SC.G.2.4.6, VA.A.1.4.3, VA.C.1.4.1, VA.C.1.4.2, VA.D.1.4.2, VA.E.1.4.2, VA.E.1.4.3
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- 16.01 Research, identify and describe the various movements in the evolution of contemporary architecture and interior decor and design.
- 16.02 Identify future trends in interior decor and design.
- 16.03 Analyze and describe environmental concerns affecting future interiors using internet and textual resources.
- 17.0 ANALYZE AND APPLY ENERGY-CONSERVATION MATERIALS -- After a teacher demonstration, textbook/multimedia research or professional demonstration, the student will be able to:

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LA.A.1.4.3, LA.C.1.4.1, LA.C.1.4.3, LA.C.3.4.3, SC.G.1.4.1, SC.G.2.4.5, SC.G.2.4.6
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- 17.01 Analyze, evaluate, and select materials and furnishings for energy conservation.
- 17.02 Identify and explain the integration of interior and exterior energy-management principles for an energy-efficient design.
- 17.03 Identify and explain energy-management principles.
- 17.04 After research, evaluate energy sources based upon identified criteria.
- 18.0 <u>IDENTIFY AND SELECT FURNITURE FOR APPROPRIATE APPLICATION</u>—After a teacher demonstration, textbook/multimedia research or professional demonstration, the student will be able to:

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LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.2, LA.C.3.4.3, MA.B.3.4.1 VA.A.1.4.3, VA.A.1.4.4, VA.B.1.4.4, VA.C.1.4.1, VA.D.1.4.2
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- 18.01 Identify and describe the historical characteristics of furniture styles.
- 18.02 Identify and describe the methods of furniture construction.
- 18.03 Compare and contrast types of wood and illustrate comparisons in an informal presentation, written report or computerized presentation.
- 18.04 Describe the types of finishes and the care required for each one.
- 18.05 Compare and contrast man-made fibers (i.e., polyester, metal, synthetic plastic) with the natural materials (i.e., cotton, wood, leather) used in furniture construction.

- 18.06 Measure and calculate the materials for upholstered items according to client specifications.
- 18.07 Select furniture, considering its functions and design and its user's (the client's) life-styles and prepare a presentation for client.
- 19.0 IDENTIFY AND SELECT FLOOR COVERINGS FOR APPROPRIATE APPLICATION—The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.2, LA.B.2.4.4, MA.B.3.4.1, MA.B.4.4.1, MA.B.4.4.2, VA.A.1.4.1, VA.A.1.4.3, VA.B.1.4.4
  - 19.01 Identify and describe the characteristics of different types of floor coverings.
  - 19.02 List and compare durability and maintenance factors for floor-covering materials.
  - 19.03 Develop criteria for the selection of floor coverings; include considerations of color, texture, type, style, pattern, client's life-style, energy conservation, and environmental safety using multiple resources.
  - 19.04 Identify and select floor-covering materials, using the developed criteria.
  - 19.05 Measure and calculate space and materials for a floor-covering application based upon client criteria written in a report format.
- 20.0 IDENTIFY AND SELECT WALL TREATMENTS FOR APPROPRIATE APPLICATION—The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.3.4.3, MA.B.3.4.1, VA.A.1.4.1, VA.B.1.4.3, VA.B.1.4.4
  - 20.01 Identify and describe characteristics of different types of wall treatments.
  - 20.02 Compare durability and maintenance factors for wall-treatment materials.
  - 20.03 Develop criteria for the selection of wall treatments; include considerations of color, texture, type, style, pattern, client's life style, energy conservation, and environmental safety.
  - 20.04 Identify and select wall treatments, using the developed criteria.
  - 20.05 Measure and calculate the space and materials for a wall-treatment application.
- 21.0 IDENTIFY AND SELECT WINDOW TREATMENTS FOR APPROPRIATE APPLICATION—The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.2, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.3.4.3, MA.B.3.4.1, VA.A.1.4.1, VA.A.1.4.3
  - 21.01 Identify and describe different types and functions of windows and window treatments.
  - 21.02 Categorize window treatments as drapery or nondrapery.
  - 21.03 Identify and describe the characteristics of nondrapery treatments.
  - 21.04 Identify and describe the characteristics of fabrics used for window treatments.

- 21.05 Describe the characteristics of draperies and their headings.
- 21.06 Recognize the different types and uses of appropriate hardware for window treatments.
- 21.07 Identify and describe in writing window-treatment styles.
- 21.08 Compare durability and maintenance factors for window-treatment materials.
- 21.09 Develop criteria for the selection of window treatments; include considerations of color, texture, type, style, pattern, client's life-styles, energy conservation, and environmental safety.
- 21.10 Select window treatments, using the criteria above.
- 21.11 Measure the window and calculate the materials needed for a window-treatment application.
- 22.0 IDENTIFY AND SELECT ACCESSORIES FOR APPROPRIATE APPLICATION -- The student will be able to:
  - LA.A.1.4.3, LA.C.1.4.1, LA.C.1.4.3, LA.C.3.4.3, VA.A.1.4.3, VA.B.1.4.4, VA.D.1.4.3
  - 22.01 Identify and describe different accessories for home/office/function or appropriate setting for an oral presentation.
  - 22.02 Select accessories, applying the principles of design to reflect the client's life-style.
  - 22.03 Demonstrate appropriate groupings and the placement of accessories to reflect the client's life-style.
- 23.0 IDENTIFY AND SELECT AND PLACE LIGHTING FIXTURES FOR APPROPRIATE APPLICATION--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.2, LA.A.2.4.4, LA.C.3.4.3
  - 23.01 Identify and describe in a research document or presentation lighting requirements as required by local ordinance or state code.
  - 23.02 Select and place appropriate lighting fixtures for specific spaces, considering life-styles and energy conservation specifications of client or as required by local ordinance or state code.
- 24.0 PLAN FOR INTERIOR SPACES, APPLYING DRAFTING/SOFTWARE TECHNIQUES—After a teacher demonstration, textbook/multimedia research or professional presentation, and client conference the student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.C.1.4.1, VA.A.1.4.1, VA.A.1.4.3, VA.A.1.4.4
  - 24.01 Read and interpret a blueprint.
  - 24.02 Evaluate floor plans for the purpose of interior decor and design.
  - 24.03 Illustrate size and scale in a drawing.
  - 24.04 Apply the methods and techniques of one- and two-point perspective drawings.
  - 24.05 Using computer software, apply the methods and techniques for three-dimensional illustration.
  - 24.06 Demonstrate layout techniques by applying design principles.
  - 24.07 Demonstrate matting methods.
  - 24.08 Evaluate the presentation of a graphic illustration.

- 24.09 Plan residential or commercial interior spaces, using computer-application software.
- 25.0 PLAN AND IMPLEMENT AN INTERIOR-DESIGN PROJECT TO MEET A CLIENT'S NEEDS—After a teacher demonstration, textbook/multimedia research or professional presentation and client conference the student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.4, LA.C.1.4.1, LA.C.1.4.3,
  - LA.C.3.4.1, LA.C.3.4.2, LA.C.3.4.3, LA.C.3.4.4, VA.A.1.4.1,
  - VA.A.1.4.2, VA.A.1.4.3, VA.A.1.4.4, VA.B.1.4.4, VA.D.1.4.3,
  - VA.E.1.4.2, VA.E.1.4.3
  - 25.01 Read and interpret a blueprint for a specific project.
  - 25.02 Plan and write a design project for a specific client profile, applying the elements and principles of design.
  - 25.03 Calculate areas, sizes, circumferences, square footage, etc., of the design project.
  - 25.04 Select appropriate materials and products for the project (such as floor covering, window treatment, wall treatment, upholstery, and accessories), applying the principles of color and design.
  - 25.05 Measure and calculate the materials needed for client specified project.
  - 25.06 Estimate the number of products needed for the client project.
  - 25.07 Determine the budgetary limitations of the client.
  - 25.08 Estimate the cost required to implement the plan and evaluate the estimate in relation to the client's budget.
  - 25.09 Make an oral presentation to the client.
  - 25.10 Implement the project, using computer auto CAD, if available.
- 26.0 DEVELOP A PORTFOLIO PER INDUSTRY NEEDS -- The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3,
  - LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, VA.A.1.4.1, VA.A.1.4.2,
  - VA.A.1.4.3, VA.A.1.4.4, VA.E.1.4.1, VA.E.1.4.2, VA.E.1.4.3
  - 26.01 Plan and implement a project based upon the principles of entrpreneurship. The student will use knowledge and experience gained through out the program.

# Florida Department Of Education STUDENT PERFORMANCE STANDARDS

Program: 8527010 Interior Design Services

Course Number: 8527011

Course Title: Interior Design Services 1

Course Credit: 1

#### COURSE DESCRIPTION:

This course is designed to help students develop competencies in the areas of the relationship of human factors to the housing environment, the principles of color and design, the basic interior-design components, and basic employability skills.

### OCCUPATIONAL COMPLETION POINT - DATA CODE A

SALES OF SERVICES - OES 40000

- 01.0 EXPLORE CAREER PATHS IN INTERIOR DESIGN SERVICES -- The student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3
  - 01.01 Explain the roles and importance of the decor and design industry in relation to the quality of life.
  - 01.02 Identify employment, career-growth, and advanced-training opportunities in the decor and design profession.
  - 01.03 Identify responsibilities for each job in the career ladder.
  - 01.04 Explain training needs for career advancement.
  - 01.05 Analyze the personal and professional qualities required for employment in the profession.
- 02.0 DESCRIBE THE RELATIONSHIP OF HUMAN FACTORS TO THE HOUSING ENVIRONMENT--The student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3, VA.B.1.4.4
  - 02.01 Explain the impact of human factors (such as psychological, physiological, and social needs) on housing decisions.
  - 02.02 Compare and describe housing alternatives in a written or visual report.
  - 02.03 Identify and describe the housing modifications necessary to accommodate the special needs of family members.
  - 02.04 Identify and describe the impact of human needs and wants on the cost of housing.
  - 02.05 Identify and describe the importance of barrier-free design.
- 03.0 ANALYZE THE PRINCIPLES OF COLOR AND DESIGN—After a teacher demonstration, textbook/multi-media research or a professional presentation, the student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.C.3.4.3, VA.A.1.4.3, VA.B.1.4.4, VA.B.1.4.2, VA.B.1.4.3, VA.B.1.4.4, VA.E.1.4.3
  - 03.01 Identify the elements and principles of design.

- 03.02 Apply the elements and principles of design to housing environments.
- 03.03 Create a plan using color and color schemes in a design.
- 04.0 DESCRIBE THE BASIC INTERIOR-DESIGN COMPONENTS -- The student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3, VA.A.1.4.3, VA.B.1.4.2, VA.B.1.4.3, VA.B.1.4.4, VA.E.1.4.3
  - 04.01 Identify and describe the basic characteristics and uses of floor coverings, wall treatments, window treatments, and accessories, synthesizing knowledge gained.
  - 04.02 Describe the basic characteristics and uses of window treatments and accessories.
  - 04.03 Identify and describe various furniture styles
  - 04.04 Select furnishings for specific spaces using the principles of design.
- 05.0 EXHIBIT EMPLOYABILITY SKILLS--The student will be able to:
  - LA.A.2.4.4, LA.C.1.4.1, HE.B.1.4.3, HE.B.3.4.4
  - 05.01 Identify job-availability and advanced-training opportunities. In the are of interior design.
  - 05.02 Demonstrate productive work habits and positive attitudes.
  - 05.03 Demonstrate acceptable personal and professional hygiene.
  - 05.04 Apply the principles of time management, work simplification, and teamwork when performing assigned tasks.
  - 05.05 Demonstrate pride in the quality of work performed.

# Florida Department Of Education STUDENT PERFORMANCE STANDARDS

Program: 8527010 Interior Design Services

Course Number: 8527012

Course Title: Interior Design Services 2

Course Credit: 1

#### COURSE DESCRIPTION:

This course is designed to help students develop competencies in the areas of energy conservation in design, tools and equipment, and leadership and membership development.

- 6.0 <u>DEMONSTRATE AN UNDERSTANDING OF THE ELEMENTS AND PRINCIPLES OF DESIGN</u>—After a teacher demonstration, textbook/multimedia research or professional presentation, the student will be able to:
  - LA.A.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.3, VA.A.1.4.1, VA.A.1.4.3
  - 06.01 Identify and explain the elements of design in relation to the interior environment through written/oral reporting or demonstration:
    - a. texture
    - b. pattern
    - c. line
    - d. form and shape
    - e. space
    - f. color
    - q. light
  - 06.02 Identify and explain the principles of interior design using a variety of research and reporting methods:
    - a. proportion
    - b. scale
    - c. balance
    - d. rhythm
    - e. emphasis
    - f. harmony
- 07.0 EXPLAIN THE IMPORTANCE OF ENERGY CONSERVATION IN DESIGN--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, MA.B.3.4.1
  - 07.01 Identify and describe in a written report, the methods and materials used to increase energy efficiency.
  - 07.02 Explain the importance of energy conservation in design.
  - 07.03 Identify and describe energy sources.
  - 07.04 Research and analyze energy conservation concerns affecting future design concepts and describe its possible effects on the environment.
- 08.0 SELECT AND USE TOOLS AND EQUIPMENT SAFELY--After a teacher demonstration or textbook/multi-media research, he student will be able to:

- LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3
- 08.01 Identify the tools and equipment used in decor and design services.
- 08.02 Select the appropriate tools and equipment for assigned projects.
- 08.03 Demonstrate the proper and safe use of tools and equipment.
- 08.04 Clean and maintain various types of tools and equipment.
- 08.05 Keep an inventory record of tools, equipment, supplies, and materials, using computer-application software, if possible.
- 08.06 Explain the importance of observing Occupational Safety and Health Administration (OSHA) rules and regulations.
- 09.0 DEMONSTRATE SALES SKILLS--The student will be able to:

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LA.A.1.4.3, LA.A.2.4.4, LA.A.2.4.6, LA.B.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.C.3.4.1, LA.C.3.4.2, LA.C.3.4.3,
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MA.B.3.4.1, HE.B.3.4.2, HE.B.3.4.3

- 09.03 Demonstrate customer satisfaction, exercising self control
- 09.04 Identify and demonstrate appropriate responses to criticism and praise.
- 09.03 Recognize the relationship between positive human relations and success in the industry.
- 09.05 Demonstrate respect for the customer's desires and property.
- 09.05 Read and interpret pricing tables and diagrams of products used in interior design.
- 09.08 Fill out sales receipts, purchase orders, and invoices.
- 09.09 Demonstrate appropriate computer and telecommunications skills used in the interior design field.
- 10.0 <u>DEMONSTRATE LEADERSHIP AND MEMBERSHIP SKILLS</u>--The student will be able to:

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LA.C.1.4.1, LA.C.1.4.2, LA.C.1.4.3, LA.C.1.4.4, MA.A.4.4.1,
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- MA.A.4.4.3, MA.A.4.4.4, MA.E.3.4.1, MA.E.3.4.2, HE.B.3.4.1,
- HE.B.3.4.2, HE.B.3.4.3, HE.B.3.4.4, HE.B.3.4.5, HE.B.3.4.6,
- HE.C.1.4.5, HE.C.1.4.6, HE.C.2.4.4, HE.C.2.4.5, HE.C.2.4.6
- 10.01 Identify student and professional organizations, their purposes, and their functions.
- 10.02 Explain the roles and responsibilities of the member.
- 10.03 Exhibit cooperative behavior as a team member to achieve organizational goals.
- 10.04 Develop a personal-growth plan.

# Florida Department Of Education STUDENT PERFORMANCE STANDARDS

Course Number: 8527013

Course Title: Interior Design Services 3

Course Credit: 1

#### COURSE DESCRIPTION:

This course is designed to help students develop competencies in the areas of project design, sales techniques, employability skills, and entrepreneurship skills.

- 11.0 PLAN AND DEVELOP A DESIGN PROJECT--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3,
  - LA.B.1.4.4, MA.B.3.4.1, MA.B.4.4.1, MA.B.4.4.2, VA.A.1.4.3,
  - VA.A.1.4.4, VA.B.1.4.1, VA.B.1.4.2, VA.B.1.4.3, VA.B.1.4.4,
  - VA.C.1.4.1, VA.E.1.4.2
  - 11.01 Plan and report on a design project, using established criteria.
  - 11.02 Calculate the areas, sizes, circumferences, square footage, etc., of a design project.
  - 11.03 Select appropriate materials and products for the project (such as floor covering, window treatment, wall treatment, upholstery, and accessories), applying the principles of color and design.
  - 11.04 Measure and calculate the materials needed for the project.
  - 11.05 Estimate the number of products needed.
  - 11.06 Calculate the cost of materials and products for the project.
  - 11.07 Develop the design project, using computer technology.
- 12.0 <u>DEMONSTRATE SALES TECHNIQUES IN DECOR AND DESIGN</u>--The student will be able to:
  - LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.1.4.1, LA.C.1.4.3, LAC.3.4.1, LA.C.3.4.2, LA.C.3.4.3, LA.C.3.4.4,
  - VA.A.1.4.3, VA.E.1.4.3
  - 12.01 Identify, ask and answer questions coherently and concisely.
  - 12.02 Read and follow written instructions or listen to and follow oral instructions.
  - 12.03 Give sales presentations orally and in writing.
  - 12.04 Find information on sales products and services.
  - 12.05 Research and recommend decor and design products that meet the customer's needs based upon customer specifications.
  - 12.06 Demonstrate appropriate computer and telecommunication skills.
  - 12.07 Perform sales transactions using computer skills.
- 13.0 <u>DEMONSTRATE AN UNDERSTANDING OF ENTREPRENEURSHIP</u>--The student will be able to:
  - LA.A.1.4.3, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3, LA.C.3.4.3
  - 13.01 Define "entrepreneurship."

- 13.02 Debate the advantages and disadvantages of business ownership through a written and/or oral presentation.
- 13.03 Identify and describe, orally or in writing, the responsibilities of the entrepreneur.
- 14.0 DEMONSTRATE THE ABILITY TO USE INTERIOR DESIGN SOFTWARE--The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3 LA.B.2.4.4, LA.C.3.4.3, VA.A.1.4.3, VA.E.1.4.2
  - 14.01 Research and list software available in the area of interior design.
  - 14.02 Identify and discuss the benefits of using software in today's work place.
  - 14.03 Develop a mini project using interior design software.
- 15.0 <u>SCHEDULE AND PARTICIPATE IN INTERIOR DESIGN SERVICES JOB SHADOWING</u>—The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.3.4.4, VA.A.1.4.3, VA.C.1.4.1, VA.D.1.4.2, VA.E.1.4.1, VA.E.1.4.2, VA.E.1.4.3
  - 15.01 Research persons working in the interior design services profession within the local area.
  - 15.02 Formalize in writing a job shadowing experience, applying knowledge gained within the program and using the guidelines set by the district, instructor and employer and using knowledge synthesized within the program.

### Florida Department of Education

Course Number 8527014

Course Title Interior Design Services 4

Course Credit 1

### COURSE DESCRIPTION:

This course is designed to help students develop competencies in decorative styles, energy efficient materials and selection of furniture, floor coverings, wall treatments, window treatments, accessories and lighting fixtures.

# OCCUPATIONAL COMPLETION POINT - DATA CODE B

DRAFTER - OES 22514

16.0 IDENTIFY BASIC DECORATIVE STYLES--The student will be able to:

- LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3,
- LA.B.2.4.4, SC.G.2.4.5, SC.G.2.4.6, VA.A.1.4.3, VA.C.1.4.1,
- VA.C.1.4.2, VA.D.1.4.2, VA.E.1.4.2, VA.E.1.4.3
- 16.01 Research, identify and describe the various movements in the evolution of contemporary architecture and interior decor and design.
- 16.02 Identify future trends in interior decor and design.
- 16.03 Analyze and describe environmental concerns affecting future interiors using internet and textural resources.
- 17.0 ANALYZE AND APPLY ENERGY-CONSERVATION MATERIALS -- After a teacher demonstration, textbook/multimedia research or professional demonstration, the student will be able to:
  - LA.A.1.4.3, LA.C.1.4.1, LA.C.1.4.3, LA.C.3.4.3, SC.G.1.4.1, SC.G.2.4.5, SC.G.2.4.6
  - 17.01 Analyze, evaluate, and select materials and furnishings for energy conservation.
  - 17.02 Identify and explain the integration of interior and exterior energy-management principles for an energy-efficient design.
  - 17.03 Identify and explain energy-management principles.
  - 17.04 After research, evaluate energy sources based upon identified criteria.
- 18.0 IDENTIFY AND SELECT FURNITURE FOR APPROPRIATE APPLICATION—After a teacher demonstration, textbook/multimedia research or professional demonstration, the student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.2, LA.C.3.4.3, MA.B.3.4.1 VA.A.1.4.3, VA.A.1.4.4, VA.B.1.4.4, VA.C.1.4.1, VA.D.1.4.2
  - 18.01 Identify and describe the historical characteristics of furniture styles.
  - 18.02 Identify and describe the methods of furniture construction.
  - 18.03 Compare and contrast types of wood and illustrate comparisons in an informal presentation, written report or computerized presentation.

- 18.04 Describe the types of finishes and the care required for each one.
- 18.05 Compare and contrast man-made fibers (i.e., polyester, metal, synthetic plastic) with the natural materials (i.e., cotton, wood, leather) used in furniture construction.
- 18.06 Measure and calculate the materials for upholstered items according to client specifications.
- 18.07 Select furniture, considering its functions and design and its user's (the client's) life-styles and prepare a presentation for client.
- 19.0 IDENTIFY AND SELECT FLOOR COVERINGS FOR APPROPRIATE APPLICATION -- The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.2, LA.B.2.4.4, MA.B.3.4.1, MA.B.4.4.1, MA.B.4.4.4, VA.A.1.4.1, VA.A.1.4.3, VA.B.1.4.4
  - 19.01 Identify and describe the characteristics of different types of floor coverings.
  - 19.02 List and compare durability and maintenance factors for floor-covering materials.
  - 19.03 Develop criteria for the selection of floor coverings; include considerations of color, texture, type, style, pattern, client's life-style, energy conservation, and environmental safety using multiple resources.
  - 19.04 Identify and select floor-covering materials, using the developed criteria.
  - 19.05 Measure and calculate space and materials for a floor-covering application based upon client criteria written in a report format.
- 20.0 IDENTIFY AND SELECT WALL TREATMENTS FOR APPROPRIATE APPLICATION -- The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, LA.C.3.4.3, MA.B.3.4.1, VA.A.1.4.1, VA.B.1.4.3, VA.B.1.4.4
  - 20.01 Identify and describe characteristics of different types of wall treatments.
  - 20.02 Compare durability and maintenance factors for wall-treatment materials.
  - 20.03 Develop criteria for the selection of wall treatments; include considerations of color, texture, type, style, pattern, client's life style, energy conservation, and environmental safety.
  - 20.04 Identify and select wall treatments, using the developed criteria.
  - 20.05 Measure and calculate the space and materials for a wall-treatment application.
- 21.0 IDENTIFY AND SELECT WINDOW TREATMENTS FOR APPROPRIATE APPLICATION—The student will be able to:
  - LA.A.1.4.3, LA.A.2.4.2, LA.A.2.4.4, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.B.2.4.4, MA.B.3.4.1, VA.A.1.4.1, VA.A.1.4.3
  - 21.01 Identify and describe different types and functions of windows and window treatments.
  - 21.02 Categorize window treatments as drapery or nondrapery.

- 21.03 Identify and describe the characteristics of nondrapery treatments.
- 21.04 Identify and describe the characteristics of fabrics used for window treatments.
- 21.05 Describe the characteristics of draperies and their headings.
- 21.06 Recognize the different types and uses of appropriate hardware for window treatments.
- 21.07 Identify and describe in writing window-treatment styles.
- 21.08 Compare durability and maintenance factors for window-treatment materials.
- 21.09 Develop criteria for the selection of window treatments; include considerations of color, texture, type, style, pattern, client's life-styles, energy conservation, and environmental safety.
- 21.10 Select window treatments, using the criteria above.
- 21.11 Measure the window and calculate the materials needed for a window-treatment application.
- 22.0 IDENTIFY AND SELECT ACCESSORIES FOR APPROPRIATE APPLICATION -- The student will be able to:
  - LA.A.1.4.3, LA.C.1.4.1, LA.C.1.4.3, LA.C.3.4.3, VA.A.1.4.3, VA.B.1.4.4, VA.D.1.4.3
  - 22.01 Identify and describe different accessories for home/office/function or appropriate setting for an oral presentation.
  - 22.02 Select accessories, applying the principles of design to reflect the client's life-style.
  - 22.03 Demonstrate appropriate groupings and the placement of accessories to reflect the client's life-style.
- - LA.A.1.4.3, LA.A.2.4.2, LA.A.2.4.4, LA.C.3.4.3
  - 23.01 Identify and describe, in a research document or presentation, lighting requirements as required by local ordinance or state code.
  - 23.02 Select and place appropriate lighting fixtures for specific spaces, considering life-styles and energy conservation specifications of client or as required by local ordinance or state code.

# Florida Department of Education

Course Number 8527015

Course Title Interior Design Services 5

Course Credit 1

### COURSE DESCRIPTION:

This course is designed to help students become knowledgeable in drafting techniques.

- 24.0 PLAN FOR INTERIOR SPACES, APPLYING DRAFTING/SOFTWARE TECHNIQUES—After a teacher demonstration, textbook/multimedia research or professional presentation, and client conference the student will be able to:
  - LA.A.1.4.3, LA.A.2.4.4, LA.C.1.4.1, VA.A.1.4.1, VA.A.1.4.3, VA.A.1.4.4
  - 24.01 Read and interpret a blueprint.
  - 24.02 Evaluate floor plans for the purpose of interior decor and design.
  - 24.03 Illustrate size and scale in a drawing.
  - 24.04 Apply the methods and techniques of one- and two-point perspective drawings.
  - 24.05 Using computer software, apply the methods and techniques for three-dimensional illustration.
  - 24.06 Demonstrate layout techniques by applying design principles.
  - 24.07 Demonstrate matting methods.
  - 24.08 Evaluate the presentation of a graphic illustration.
  - 24.09 Plan residential or commercial interior spaces, using computer-application software.

# Florida Department of Education

Course Number 8527016

Course Title Interior Design Services 6

Course Credit 1

### COURSE DESCRIPTION:

This course is designed to help students use skills learned to plan and implement an interior design project.

25.0 PLAN AND IMPLEMENT AN INTERIOR-DESIGN PROJECT TO MEET A CLIENT'S NEEDS—After a teacher demonstration, textbook/multimedia research or professional presentation and client conference the student will be able to:

- LA.A.1.4.3, LA.A.2.4.4, LA.B.2.4.4, LA.C.1.4.1, LA.C.1.4.3,
- LA.C.3.4.1, LA.C.3.4.2, LA.C.3.4.3, LA.C.3.4.4, VA.A.1.4.1,
- VA.A.1.4.2, VA.A.1.4.3, VA.A.1.4.4, VA.B.1.4.4, VA.D.1.4.3,
- VA.E.1.4.2, VA.E.1.4.3
- 25.01 Read and interpret a blueprint for a specific project.
- 25.02 Plan and write a design project for a specific client profile, applying the elements and principles of design.
- 25.03 Calculate areas, sizes, circumferences, square footage, etc., of the design project.
- 25.04 Select appropriate materials and products for the project (such as floor covering, window treatment, wall treatment, upholstery, and accessories), applying the principles of color and design.
- 25.05 Measure and calculate the materials needed for client specified project.
- 25.06 Estimate the number of products needed for the client project.
- 25.07 Determine the budgetary limitations of the client.
- 25.08 Estimate the cost required for implementing the plan and evaluate the estimation in relation to the client's budget.
- 25.09 Make an oral presentation to the client.
- 25.10 Implement the project, using computer auto CAD, if available.

### Florida Department of Education

Course Number 852017

Course Title Interior Design Services 7

Course Credit 1

# COURSE DESCRIPTION:

This course is designed to allow students to plan and implement an entrepreneurial project and complete a portfolio.

26.0  $\frac{\text{DEVELOP A PORTFOLIO PER INDUSTRY NEEDS}}{\text{to:}}$  -- The student will be able

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LA.A.1.4.3, LA.A.2.4.4, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, VA.A.1.4.1, VA.A.1.4.2, VA.A.1.4.3, VA.A.1.4.4, VA.E.1.4.1, VA.E.1.4.2, VA.E.1.4.3,
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26.01 Plan and implement a project based upon the principles of entrpreneurship. The student will use knowledge and experience gained through out the program.