Broward Community College
Course Outline

STATUS: A

COMMON COURSE NUMBER: IND 2230C

COURSE TITLE: Design Development

CREDIT HOURS: 3

CONTACT HOURS BREAKDOWN:

Lecture/Discussion	32
Lab	32
Other	
Contact Hours/Week	4

CATALOG COURSE DESCRIPTION:

In this course the student will develop a comprehensive set of working drawings from the student's own interior design solution on the computer. Emphasis will be placed using the working drawing process as a tool for design development and in documenting solution to communicate specification and fabrication information to the construction industry.

Prerequisite: IND1022, IND1200C, IND1220C, IND1420, IND2210C

:

Corequisite: N/A

UNIT TITLES:

1. Translation of Design Solution to Digital Media
2. Lighting Design and Electrical Layout
3. Design Detail Development
4. Final Design Documentation

I. Course Overview:

Upon successful completion of this course, the students should be able to build on the skills, knowledge and design of the Interior Design Studio, to produce complete documentation of the design solution on the computer, including lighting design and reflected ceiling plan. Three dimensional computer details will be generated to illustrate and notate construction method of selected design detail.

II. Units:

Unit 1. Translation of Design Solution to Digital Media

General Outcome:

1.0 The students should be able to successfully translate design presentation drawings to digital format.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

1.1 Translate design solution to digital format distinguishing between existing and designed construction plan information, including but not limited to walls, doors, windows, trim, plumbing fixtures, cabinetry, architectural features, etc.

1.2 Incorporate input from final presentation to show revision notation in design documentation.

1.3 Note and dimension plans and elevations as appropriate to communicate design intent to contractors.

1.4 Transfer furniture placement and finish information to digital format.

1.5 Create schedules based on input of design elements.

Unit 2. Lighting Design and Electrical Layout

General Outcome:

2.0 The students should be able to develop interior lighting scheme for project.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

2.1 Identify factors for consideration in good lighting.

2.2 Analyze lighting requirements for project.

2.3 Select appropriate lighting type and fixtures.

2.4 Incorporate lighting selections, dimensioned and keyed layout, and switching controls into reflected ceiling plan.

2.5 Incorporate electrical outlet and special equipment power requirements to electrical layout plan.

Unit 3. Design Detail Development

General Outcome:

3.0 The students should be able to develop 3D model of design detail to communicate construction method and configuration to fabricator.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

3.1 Translate design detail into digital format.

3.2 Build virtual detail in 3d digital format.

3.3 Present and notate 3D view to communicate design parameters to fabricator.

Unit 4. Final Design Documentation

General Outcome:

4.0 The students should be able to coordinate and cross reference design documentation to produce a comprehensive set of working drawings.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

4.1 Label and dimension each plan, elevation and detail.

4.2 Cross reference plans, elevations and details using proper reference symbols.

4.3 Key individual design elements to create schedules and incorporate into construction documentation.

4.4 Publish and plot complete documentation for presentation.