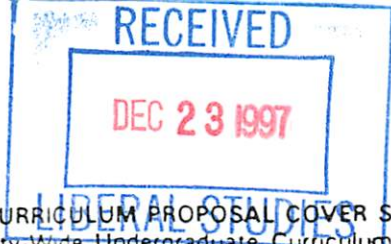


USC Use Only
Number: _____
Submission Date: _____
Action Date: _____



UWUCC USE Only
Number: _____
Submission Date: 97-26f
Action Date: App. 2/17/98
Senate app. 3/3/98

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. CONTACT

Contact Person David L. Rodgers, Assistant Professor Phone 357-7692
Department Department of Human Development and Environmental Studies

II. PROPOSAL TYPE (Check All Appropriate Lines)

ID 118 COURSE Drafting for Cons I
Suggested 20 character title

New Course* _____
Course Number and Full Title

Course Revision CS 117 Design Graphics
Course Number and Full Title

Liberal Studies Approval + _____
for new or existing course Course Number and Full Title

Course Deletion _____
Course Number and Full Title

Number and/or Title Change CS 117 Design Graphics
Old Number and/or Full Old Title

ID 118 Drafting for Construction I
New Number and/or Full New Title

Course or Catalog Description Change ID 118 Drafting for Construction I
Course Number and Full Title

PROGRAM: Major Minor Track

New Program* _____
Program Name

Program Revision* _____
Program Name

Program Deletion* _____
Program Name

Title Change _____
Old Program Name

_____ New Program Name

III. Approvals (signatures and date)

Mary E. Swenker 4/8/96
Department Curriculum Committee

Mia Moore Barker 3/6/97
College Curriculum Committee

[Signature] 4-8-96
Department Chair

[Signature]
College Dean

[Signature] 5/19/97

+ Director of Liberal Studies (where applicable)

*Provost (where applicable)

I. Catalog Description:

ID 118 Drafting for Construction I

(1c-3l-3sh)

Prerequisites: None

Introduces two and three dimensional graphic skills, including basic drawing, drafting, celineating, perspective drawing; applies principles and elements of design; stresses graphic design and layout

Part II. Description of the Curriculum Change

1. New Syllabus of Record

**3 credits
1 lecture hour
3 lab hours
(1c-3l-3sh)**

I. Catalog Description:

ID 118 Drafting for Construction I

Prerequisites: None

Introduces two and three dimensional graphic skills, including basic drawing, drafting, delineating, perspective drawing; applies principles and elements of design; stresses graphic design and layout

II. Course Objectives

Upon completion of this course, the student will be able to competently:

- 1. Apply principles and elements of design to creating project documentation**
- 2. Solve design problems utilizing drafting and other graphic skills**
- 3. Visually describe design solutions by applying drafting, color media, tone, shadow, texture, rendering, delineating, detailing, and other fundamental graphic skills**
- 4. Interpret three dimensional relationships two dimensionally**
- 5. Demonstrate an understanding of perspective drawing to solve design problems and communicate solutions**
- 6. Apply graphic standards rules affecting such sheet elements as symbols, representations of furniture, fixtures, and equipment, letter and numeral design, sentence layout, paragraph construction, and sheet organization**
- 7. State design solutions and other information during oral presentations of design**
- 8. Apply fundamental understanding of structure and materials to solving design problems graphically**
- 9. Interpret design criticisms from others constructively during presentations, and, in the same positive vein, assess design solutions of others during critiques**

III. Detailed Course Outline (Total hours: 56)

WEEK ONE: Interior Design, Design Graphics, and Construction Drafting: An Overview (four hours)

- A. Design Education Standards and the Foundation for Interior Design Education and Research (FIDER) Accreditation
1. Design awareness
 2. Design understanding
 3. Design competency
- B. Design practice standards and the National Council for Interior Design Qualification (NCIDQ) Examination
- C. Construction drafting standards and design graphics in relation to principles and elements of design
- D. Design process standards
1. Design analysis and programming
 2. Design synthesis and design conceptualization
- E. Construction drafting tool kit formation
1. Pencils and leads
 2. Pens and inks
 3. T-squares, parallel bars, and work surfaces
 4. Triangles and straight edges
 5. Architects and engineers scales
 6. Erasers
 7. Protractors
 8. Compasses and dividers
 9. Templates
 10. Computers

WEEK TWO: Design Graphics, Construction Drafting, and Graphic Standards (four hours)

- A. Graphic standards, visual language, and visual communication
- B. Construction drafting graphic standards for architects and interior designers
- C. Construction and page layout
- D. Lines
1. Horizontal
 2. Vertical
 3. Diagonal
 4. Curved

- 5. Consistency
- 6. Sharpness
- 7. Contrast, weight, and emphasis
- 8. Intersecting lines

E Letter and numeral design

- 1. Font style
- 2. Sans serif, Gothic, architectural lettering
- 3. Letter and numeral module design
- 4. Upper case lettering
- 5. Lower case lettering
- 6. Guide lines
- 7. Size

F. Consistency

G. Furniture, fixtures, and equipment (FF&E) graphic standards

H. Space graphic standards

- 1. Residential
- 2. Non-residential

I. Graphic standards for original documents

J. Graphic standards for reproductions

- 1. Photocopying
- 2. Diazo printing

WEEK THREE: Design Graphics, Construction Drafting, and Graphic Standards

(continued) (four hours)

WEEK FOUR: Construction Drafting and Applying Design Theory (four hours)

A. Creating design elements

- 1. Form
 - a. Line
 - b. Plane
 - c. Volume
 - d. Shape
- 2. Scale
- 3. Color
- 4. Texture
- 5. Pattern
- 6. Light

B. Applying design principles

1. Balance
 - a. Symmetrical balance
 - b. Asymmetrical balance
 - c. Radial balance
2. Rhythm
3. Emphasis and focus
4. Contrast and variety
5. Proportion

WEEK FIVE: Construction Drafting and Applying Design theory (continued) (two hours)

WEEK SIX: Construction Drafting and Freehand Sketching (four hours)

A. Imagining

B. Seeing

C. Sketching quickly

1. Sketch qualities
2. Rapid sketching
3. Accurate sketching
4. Rendering sketches
 - a. Shade
 - b. Shadow
 - c. Tone

D. Color media

1. Color pencils
2. Color markers
3. Color grounds

E. Presentation

1. Mounting methods
2. Composition
3. Oral presentation techniques and design graphics

WEEK SEVEN: Construction Drafting Fundamentals: Orthogonal Projection (four hours)

A. Plan

B. Elevation

C. Section

D. Dimensioning

E. Schedules

- F. Binding drawings
 - 1. Title page
 - 2. Page numbering

WEEK EIGHT: Construction Drafting Fundamentals (continued) (two hours)

WEEK NINE: Construction Drafting and Multiview Projection..... (four hours)

A. Axonometric and Paraline drawings

B. Isometric drawings

WEEK TEN: Construction Drafting and Multiview Projection (continued) (two hours)

WEEK ELEVEN: Communicating Three Dimensional Relationships Two Dimensionally (four hours)

A. Basic one point perspective

B. Basic two point perspective

WEEK TWELVE: Communicating Three Dimensional Relationships Two Dimensionally (continued)..... (four hours)

WEEK THIRTEEN: Communicating Three Dimensional Relationships Two Dimensionally (four hours)

WEEK FOURTEEN: Construction Drafting and Model Making: Concept and Sketch Models (four hours)

A. Sketch model materials

B. Model making tools

C. Constructing models to scale

TOTAL: (fifty hours)

Note: During the semester, two class hours are taken by a mid-term exam, and four are devoted to presentation critiques. A final design graphics problem provides the basis for the culminating event held during the finals period.

IV. Evaluation Methods

Grades for projects, quizzes, exercises, and participation will determine the final grade for the course in the following proportions:

Grading Scale:

100% - 90%	A
89% - 80%	B
79% - 70%	C
69% - 60%	D
59% - 0%	F

The course grade will be weighted according to the following percentages:

Course Grade Percentages:

Projects ¹	60.0%
Exercises ²	10.0%
Exams ³	20.0%
Unannounced quizzes and exercises	5.0%
Participation:	5.0%

Total: 100.0%

¹Projects include developing graphic design layouts, sketches, drawings, and models.

²Exercises include applying lettering, drawing, and drafting skills to short term assignments.

³Exams include factual questions and problems to be solved using design graphics methods.

V. Required Textbooks, Supplemental Books, and Readings**Required texts:**

Arends, M. (1990). Interior presentation sketching for architects and designers. New York: Van Nostrand Reinhold.¹

Ballast, D. K. (1992). Interior design reference manual. Belmont, California: Professional Publications, Inc.

Doyle, M. E. (1993) Color drawing. New York: Van Nostrand Reinhold.

Supplemental Books and Readings²:

Ching, F. (1985). Architectural graphics. New York: Van Nostrand Reinhold Company.

Ching, F. (1987). Interior design illustrated. New York: Van Nostrand Reinhold Company.

- Hauf, H. (1970). Architectural graphics standards. New York: Wiley-Science Interscience Publication, New York. 1970.
- Jefferis, A. and Madsen, D. A. (1991). Architectural drafting and design, 2nd ed. Albany, New York: Delmar Publishers, Inc.
- Lockhard, W. K. (1991). Freehand perspective for designers: Including shadow-casting and entourage. New York: Peoper Publishing.
- Porter, T. (1990). Architectural drawing. New York: Van Nostrand Reinhold.
- Ramsey, C. and Sleeper, Harold. (1990). Architectural graphic standards. John Wiley & Sons, New York.
- Wakita, O. A. and Linde, R. M. (1994). The professional practice of architectural working drawings. New York: John Wiley & Sons, Inc.
- Weidhass, Ernest. (1981). Architectural drafting and design. Allyn and Bacon, Inc., Boston.

¹This text is subject to replacement.

²Additional supplemental books and readings to be announced

VI. Special Resource Requirements

Equipment List

*Mechanical pencils:

- Lead holder (traditional) and pointer (sharpener)*
- 5mm mechanical pencils (at least three)
- One 7mm mechanical pencil
- One 9mm mechanical pencil
- 5mm Leads: HB, H, 2H, 4H
- 5mm non-photo blue lead

*Conventional, graphite, wood-encased pencils for sketching: HB, H, 2H, 4H (at least one each)

*Drafting tape or drafting dots. Note: Do not confuse with masking tape. Recommended: One roll of transparent tape to make repairs

*Vellum: Individual sheets of 24" x 36" vellum. Initial purchase: Five.

Notebook or individual sheets of vellum to make 8 1/2" x 11" layouts

*Triangles

- 45 degree (8" minimum; 4" and 12" or larger recommended as well)
- 60 degree (8" minimum; 4" and 12" or larger recommended as well)
- Adjustable triangle*

*Circle template(s): Note: Select template circles to include 3" circle

*French curve(s)

*Isometric ellipse template: Note: Isometric ellipses are designed using 30° and 60° axes.

*Compass

*Erasers:

White block eraser

Kneaded eraser

Eraser holder and erasers

Erasing shield

Drafting brush

*Architectural scale (12" minimum) Recommended: A six-inch bevel scale

*Yellow tracing paper, one roll, 12" wide minimum

*Technical drawing pens (inking pens). Select a range of three to four pens with fine, medium, and wide tips

*Color pencils and markers. Note: Selecting a range of warm, cool, and neutral color pencils and markers will be discussed in class.

*Drawing board(s)¹. Note: Drawing boards for home use should have a Borco vinyl surface.

*T-square¹

Portfolio (May be constructed)

*Tube document carrier¹

*Model making tools and materials Note: Requirements will be discussed in class prior to assignments. Tools and materials will include knives and paper boards.

*Journal notebook. Note: To be discussed in class

VII. Bibliography

Ambrose, J. (1991). Building construction: Interior systems. New York: Van Nostrand Reinhold.

Ballast, D. K. (1994). Interior construction & detailing for designers for designers and architects. Belmont, CA: Professional Publications, Inc.

Ching, F. (1985). Architectural graphics. New York: Van Nostrand Reinhold.

Ching, F. (1987). Interior design illustrated. New York: Van Nostrand Reinhold.

Deasy, C. M. (1990). Designing places for people: A handbook on human behavior for architects, designers, and facility managers. New York: Whitney Library of design.

Doyle, M. E. (1993). Color drawing. New York: Van Nostrand Reinhold.

Hoke, J. R. (Ed.) (1988). Architectural graphic standards (8th Ed.). New York: John Wiley & Sons.

Jefferis, A. & Madsen, D. A. (1991). Architectural drafting & design. Albany, New York: Delmar Publishers Inc.

Leibrock, C. (1993). Beautiful barrier-free. New York: Van Nostrand Reinhold.

- Lockhard, W. K. (1991). Freehand perspective for designers: Including shadow-casting and entourage. New York: Pepper Publishing.
- Pena, W. M., Parshall, S. A., & Kelly, K. A. (1987). Problem seeking: An architectural programming primer. 3rd ed., Washington, D. C.: AIA Press.
- Pike, J. (1995). Interior design 2nd. Ed.. Englewood Cliffs, New Jersey: Prentice Hall
- Porter, T. (1990). Architectural drawing. New York: Van Nostrand Reinhold.
- Ramsey, C. and Sieper, H. (1990). Architectural graphic standards. New York: John Wiley & Sons.

Historical References (Prior to 1985)

- French, T. E., and Svensen, C. L. (1966) Mechanical drawing. St. Louis: McGraw-Hill Book Company.
- Gill, R. (1979) Basic perspective. (2nd Ed. London: Thames and Hudson.
- Gill, R. W. (1979) Creative perspective. 2nd ed. London: Thames and Hudson, 1979.
- Hauf, H. (1970). Architectural graphic standards. New York: Wiley-Science Interscience Publication.
- Hornung, William J. (1971) Architectural drafting. (5th Ed.). Englewood Cliffs, N. J.: Prentice Hall.
- Laseau, P. (1980). Graphic thinking for architects and designers. New York: Van Nostrand Reinhold.
- Panero, J. & Zelnik, M. (1979). Human dimension and interior space. New York: Watson-Guption
- Reznikoff, S. C. (1979). Interior graphics and design standards. New York: Watson-Guption Publications.
- Sommer, Robert. (1969). Personal space: The behavioral basis of design. Englewood Cliffs, N.J.: Prentice Hall, Inc.
- White, E. T. (1972). A graphic vocabulary for architectural presentation. Tucson: Architectural Media.

2. Summary of Proposed Revisions

Revisions are as follows:

- *Prefix change
- *Course number/name change
- *Course description change
- *Course objectives/topics change

3. Justification/rationale for proposed revisions

- *Prefix change

The prefix change is consistent with the revised curriculum prefix.

- *Course number/name change

The course number and name are changed to reflect sequencing in the revised ID program.

- *Course description change

The description is changed to reflect content accurately.

- *Course objectives/topics change

Objectives are rewritten to meet 1996 Foundation for Interior Design Education Research (FIDER) accreditation standards cited in Appendix A.

Section D: Miscellaneous

None

LSC Use Only
 Number: _____
 Action: _____
 Date: _____

UWUCC Use Only
 Number: _____
 Action: _____
 Date: _____

CURRICULUM PROPOSAL COVER SHEET
 University-Wide Undergraduate Curriculum Committee

I. Title/Author of Change

Course/Program Title: Design Graphics
 Suggested 20 Character Course Title: Design Graphics
 Department: Consumer Services Department
 Contact Person: M. Gayle Wernsman

II. If a course, is it being Proposed for:

- 3 Course Revision/Approval Only
- _____ Course Revision/Approval and Liberal Studies Approval
- _____ Liberal Studies Approval Only (course previously has been approved by the University Senate)

III. Approvals

<u><i>M. W. Keener</i></u> Department Curriculum Committee	<u><i>M. W. Keener</i></u> Department Chairperson
<u><i>M. Gayle Wernsman</i></u> College Curriculum Committee	_____ College Dean *
_____ Director of Liberal Studies (where applicable)	_____ Provost (where applicable)

*College Dean must consult with Provost before approving curriculum changes. Approval by College Dean indicates that the proposed change is consistent with long range planning documents, that all requests for resources made as part of the proposal can be met, and that the proposal has the support of the university administration.

IV. Timetable

Date Submitted to LSC: _____	Semester to be implemented: <u>Fall 1993</u>	Date to be published in Catalog: <u>AY 1994-95</u>
Date Submitted to UWUCC: _____		

DESCRIPTION ON THE CURRICULAR CHANGE

1. Catalog Description

CS 117 Design Graphics

3 s.h.

Prerequisites: none

Corequisite: none

Introduction to drafting and presentation techniques as they relate to interior design. Two and three dimensional graphic hand skills including drafting delineation of shading and perspective; application of color, media, texture, tone and lettering are introduced.

COURSE SYLLABUS

I. CATALOG DESCRIPTION

CS 117 DESIGN GRAPHICS

3 credits
 1 lecture hour
 3 lab hours
 (1c-31-03sh)

Introduction to drafting and presentation techniques as they relate to interior design. Two and three dimensional graphic hand skills including drafting, delineation of shading and perspective; application of color, media, texture, tone, and lettering are introduced.

II. COURSE OBJECTIVES:

Upon completion of this course the student will be able to:

1. solve design problems utilizing both drafting and graphic presentation techniques.
2. construct a solution to a design problem in two and three dimensional graphics using the techniques of perspective, delineation, rendering, shading and shadowing.
3. demonstrate the application of color media, texture, tone and architectural lettering in the solution of design problems.
4. incorporate graphic skills into oral presentations as a means of communicating.
5. evaluate and apply comments made in review of these solutions to the improvement of both graphic and verbal presentation skills.

III. COURSE OUTLINE:

A. DRAFTING (2 sh lecture, 10 sh lab)

1. Horizontal Lines
 - a. T-square
 - b. Parallel Rule
2. Vertical Lines
 - a. 45 degree Triangle
 - b. 30/60 degree Triangle
3. Corners
 - a. Crossing
 - b. Consistency

4. Line Quality
 - a. Control
 - b. Consistency
5. Line Density
 - a. Control
 - b. Consistency
6. Lettering
 - a. Styles
 - b. Consistency
- B. PLANS AND ELEVATIONS (1 sh lecture, 4 sh lab)
 1. Scale
 - a. Architect's scale
 - b. Engineer's scale
 2. Conventions
 - a. Materials
 - b. Measurements
 - c. Vocabulary
- C. TEXTURE (1 sh lecture, 3 sh lab)
 1. Materials
 2. Shade
 3. Shadow
 4. Hierarchy of Elements
- D. FREEHAND DRAFTING (1 sh lecture, 3 sh lab)
 1. Speed
 2. Quality
 3. Rendering
- E. GRAPHIC VOCABULARY (2 sh lecture, 3 sh lab)
 1. Figures
 2. Tones
 3. Plants
 4. Texture
 5. Furniture
- F. LAYING OUT INTERIOR PERSPECTIVES (2 sh lecture, 3 sh lab)
 1. Principles of direct perspective
 2. Methods of direct perspective
 3. Applications of direct perspective
- G. SHADE AND SHADOW CASTING (1 sh lecture, 3 sh lab)
 1. Principles of shadow casting
 2. Geometry of shadow casting

- H. FINISHING A DRAWING (1 sh lecture, 4 sh lab)
 - 1. Placement of interior contents
 - 2. Indicating sunlight
 - 3. Indicating artificial light
 - 4. Locating figure groups
 - 5. Reflections
 - 6. Placement of textures

- I. PRESENTATION (1 sh lecture, 4 sh lab)
 - 1. Mounting methods
 - 2. Composition methods
 - 3. Oral presentation techniques

IV. EVALUATION METHODS

The final grade for this course will be based on the following items:

A. TESTS

1. One @ 250 points
2. Final exam
3. The exam will consist of the drafting of a plan, elevation, and perspective drawing, all produced in a limited time.
4. 13.9% of grade

B. EXERCISES

1. 26 @ 20 points each = 520 points
2. Assigned throughout the semester
3. May be submitted multiple times for re-evaluation
4. 26.9% of grade

C. PROJECTS

1. 1 @ 250 points
2. 1 @ 750 points
3. Assigned after mid-term
4. Consists of floor plans, elevations, perspectives, and oral presentations.
5. May not be submitted multiple times for re-evaluation
6. 58.6% of grade

D. UNANNOUNCED QUIZZES

1. Total of 30 points
2. 1.6% of grade

E. FINAL POINT SCALE

A	1520-1800	points	90 - 100%
B	1440-1519	points	80 - 89.9%
C	1260-1439	points	70 - 79.9%
D	1080-1259	points	60 - 79.9%
F	0-1079	points	0 - 59.9%

7. REQUIRED TEXT

William Kirby Lockard; FREEHAND PERSPECTIVE FOR DESIGNERS,
 Jeger Publishing. 1991

VI. SPECIAL RESOURCE REQUIREMENTS

Each student will be expected to supply the following:
(These items will be used throughout the students' education and professional development)

- A. Prismacolor pencils; red, blue, white, black, green, violet
- B. Marker pens; red, green, blue, fine tip black and a broad tip black marker
- C. Buff tracing paper
- D. 8" 45 degree triangle
- E. 8" or 4" 30/60 degree triangle
- F. Architect's scale
- G. Eraser
- H. Pencil
- I. Drafting tape
- J. 0.5mm Pentel pencil

VII. BIBLIOGRAPHY

See list

VIII. SAMPLE LABORATORY (STUDIO ACTIVITY)

1. Review previous project
 - A. Present projects graphically and verbally
 - B. Critique each student's work
 - C. Encourage student discussion
 - D. Evaluate student's understanding through a quality assessment of displayed projects
 - E. Review previous lesson if necessary
2. Demonstrate new graphic skill
 - A. Present concept on chalkboard
 - B. Reinforce concept using video tapes and book
 - C. Monitor student competence as they practice
 - D. Summarize lesson
3. Assign new project

BIBLIOGRAPHY
CS 117 - DESIGN GRAPHICS
REFERENCES

- Allen, Phyllis and Stimpson, Miriam, Beginnings of Interior Environment. Macmillan Publishing Company, New York 1990
- Ching, Francis, Interior Design Illustrated. Van Nostrand Reinhold Company, New York 1987
- Ching, Frank, Architectural Graphics. Van Nostrand Reinhold Company, New York 1985
- Committee on Production Office Procedures. Recommended Standards on Production Procedures. Northern California Chapter American Institute of Architects 1980
- Cooper, Douglas, Drawing and Perceiving. Information Dynamics Inc., Maryland 1983
- Edwards, David, How to be More Creative. Occasional Productions, California 1980
- Edwards, Betty, Drawing on the Artist Within. Simon & Schuster, Inc., New York 1986
- Evans, Larry, Illustration Guide. Van Nostrand Reinhold Company Inc., New York 1982
- Harris, John and Higgin, Gordon. Inigo Jones. The Drawing Center, New York 1983
- Haus, Harold, Architectural Graphic Standards. Wiley-Science Interscience Publication, New York 1979
- Lockard William Kirby, Freehand Perspective for Designers. Pepper Publishing, Arizona 1991
- Lockard, William Kirby, Drawing Techniques for Designers. Pepper Publishing, Arizona 1991
- Lockard, William Kirby, Design Drawing Experiences. Pepper Publishing, Arizona 1988
- Lockard, William Kirby, Design Drawing Experiences. Pepper Publishing, Arizona 1987
- Lockard, William Kirby, Design Drawing. Pepper Publishing, New York 1982

McKeachie, Wilbert, Teaching Tips. D.C. Heath and Company, Massachusetts 1936

Nevins, Deborah and Stern, Robert, The Architect's Eye. Pantheon Books, New York 1979

Ransay, Charles and Sleeper, Harold, Architectural Graphic Standards. John Wiley & Sons, New York 1990

Riggs, J. Rosemary, Materials and Components of Interior Design. Prentice Hall, New Jersey 1989

Saarinen, Eiel, The Search for Form. Dover Publications, New York 1985

Weidhaas, Ernest, Architectural Drafting and Design. Allyn and Bacon, Inc., Boston 1981

HISTORICAL REFERENCES (1979 or earlier)

Birren, Faber, Color & Human Response. Van Nostrand Reinhold Company, New York 1978

Bolloy, James, Architectural Drawing and Planning. McGraw-Hill Company, New York 1972

Buckles, G. Matthew, Building Architecture & Interior Design. Bergine Publishing Company, California 1991

Burden, Ernest, Architectural Visualization. McGraw-Hill Book Company, New York 1971

Edwards, Betty, Drawing on the Right Side of the Brain. St. Martin's Press, New York. 1979.

Kemper, Alfred M., Drawings by American Architects. Wiley-Interscience Publication, New York 1978

Kemper, Alfred, Presentation Drawings by American Architects. Wiley-Interscience Publication, New York 1977.

Lockard, William Kirby, Drawing as a Means to Architecture. Jeffer Publishing, Arizona 1979.

Muschamp, Herbert, File Under Architecture. The Massachusetts Institute of Technology, Massachusetts 1974.

Pile, John, Drawings of Architectural Interiors. Whitney Library of Design, New York 1967

Appendix A

Relevant FIDER Criteria Addressed in This Course

FIDER Standards and Guidelines, Professional Level Programs, FIDER Form 402R, January 1996

2.9 Basic and Creative Arts

- 2.9.1 Two-dimensional studio: basic and creative arts and crafts
- 2.9.2 Three-dimensional studio: basic and creative arts and crafts

2.10 Interior Design

- 2.10.1 Design process, i.e. programming, conceptualization, problem solving, evaluation
- 2.10.4 Space planning, residential
- 2.10.8 Application of design principles and elements

2.11 Technical Knowledge

- 2.11.3 Laws, codes, standards, ordinances
- 2.11.5 Construction systems and materials
- 2.11.6 Building systems

2.12 Communications Skills

- 2.12.1 Visual presentation, i.e. sketching, delineation, etc.
- 2.12.4 Working drawings, including drafting, lettering, symbols, dimensioning