

SYLLABUS

DIVISION: Business & Engineering Technologies

CURRICULA IN WHICH COURSE IS TAUGHT: Drafting and Design

COURSE NUMBER/TITLE: ARC 115 Architectural Drawing

CREDIT HOURS: 2 HOURS/WK LEC: 1 HOURS/WK LAB: 3 LEC/LAB COMB: 4

I. COURSE DESCRIPTION: ARC 115 Architectural Drawing (2 cr.) Focuses on the theories and concepts associated with residential house design that will be incorporated into a series of student created residential plans.

II. RELATIONSHIP OF COURSE TO CURRICULA OBJECTIVES:

This course is a basic introduction to designing and drawing residential house plans. Computer and board skills will be required to complete the course.

III. REQUIRED BACKGROUND:

None

IV. COURSE CONTENT:

- Traditional residential architectural designs
- Basic house design
- Lot and site considerations
- Room planning and layout
- Floor plans
- Foundation plans
- Wall sections
- Special design considerations
 - Doors and windows
 - Stairs
 - Fireplaces
- Roof designs
- Elevations
- Electrical plans
- Plumbing plans

V. THE FOLLOWING GENERAL EDUCATION OBJECTIVES WILL BE ADDRESSED IN THIS COURSE

- | | |
|---|---|
| <input checked="" type="checkbox"/> Communications | <input checked="" type="checkbox"/> Computational and Computer Skills |
| <input checked="" type="checkbox"/> Learning Skills | <input type="checkbox"/> Understanding Culture and Society |
| <input checked="" type="checkbox"/> Critical Thinking | <input checked="" type="checkbox"/> Understanding Science/Technology |
| <input type="checkbox"/> Interpersonal Skills and Human Relations | <input type="checkbox"/> Wellness |

VI. LEARNER OUTCOMES**VII.****EVALUATION**

Learner outcome <ul style="list-style-type: none">• Demonstrate knowledge of traditional and contemporary house designs.	Evaluation method Written test
Learner outcome <ul style="list-style-type: none">• Employ the proper house and room design techniques.	Evaluation method Assignment-design a house Draw a floor plan
Learner outcome <ul style="list-style-type: none">• Design, create, and print a floor plan.• Design, create, and print a foundation plan.• Design, create, and print elevations.• Design, create, and print an electrical plan• Design, create, and print a plumbing plan.	Evaluation method Create a set of plans for a house Written tests
Learner outcome <ul style="list-style-type: none">• Practice proper procedures when designing roof, stairs, and fireplaces.	Evaluation method Create elevation drawings Written test
Learner outcome <ul style="list-style-type: none">• Design, create, and print a wall section.	Evaluation method Fabrication of wall section model Quiz

COURSE OUTLINE

COURSE SECTION NUMBER/TITLE: ARC 115-01 Architectural Drawing

COURSE PREREQUISITE(S): None

SEMESTER: Spring Semester

INSTRUCTOR: Robert Huffman

OFFICE LOCATION: Wyatt 209 (office is in the classroom)

OFFICE HOURS: Posted

TELEPHONE: 434-797-8548 **e-mail** – rhuffman@dcc.vccs.edu

TEXTBOOKS, OTHER REFERENCE MATERIALS:

Architecture: Residential Drafting and Design 2004 Edition

Clois E. Kicklighter

ISBN: 1-59070-195-X or 9781590701959

ATTENDANCE REQUIREMENTS:

Regular attendance is necessary for successful completion of this course. Absences will be considered if a student is between final grades. **Quizzes given at the beginning of class can not be made up if the student is absent or tardy.**

Administrative Withdrawal: Students missing 25% or more of the total time allocated for classes and/or labs may be administratively withdrawn from the course upon recommendation of the instructor. Students who are administratively withdrawn prior to the completion of 60% of the classes and/or labs will be issued a grade of “W”. After that point, students who are administratively withdrawn will be issued a grade of “F” and no financial aid checks will be issued.

CONTINUOUS ALERT:

If a faculty member submits a continuous alert for a student because of poor attendance, disbursement of financial aid proceeds by check will be blocked until each faculty member submitting such an alert has given Admissions permission to remove the alert. In addition to blocking the check request, a continuous alert blocks enrollment for future semesters until the block is removed.

No SHOWS:

If a student never attends a class – or only attends one time before the refund deadline, the student will be considered a “**no show**” and withdrawn from the class. Faculty will report “**no shows**” to the division office by the refund deadline for all classes they teach.

CONDUCT:

The use of any tobacco products in the classroom is prohibited.

Cell Phones – Cell phones are not to ring during class lectures but are permitted during lab time. During lectures, set them to vibrate if possible or turn them off until the lecture is finished. If your phone rings during a lecture, you may leave the class to answer it but do not return to the lecture that day. Students leaving class to answer phones during tests will not be permitted to continue the exam if they choose to leave the class. Students may not answer phone calls during tests.

TUTORING

DCC offers free tutoring to all students. If you experience any difficulty with this course, please immediately contact Letitia Lunsford in the Tutoring Center (797.6432) located in the Learning Assistance Center. Ms. Lunsford will help you schedule your tutoring sessions. To get the greatest benefit from tutoring, you should go as soon as you start experiencing difficulty and go on a regular basis.

STUDENTS WITH SPECIAL NEEDS

- ✓ If you are a student with special medical needs, please inform me as to how I can best assist you. All information will be considered confidential.

- ✓ If you are a student who needs special ADA-related accommodations, please inform the DCC ADA Coordinator at 434-797-8441. All information will be considered confidential.

PLAGIARISM AND ACADEMIC DISHONESTY

Students will be expected to maintain complete honesty and integrity in their academic work in this class. Acts of academic dishonesty, such as cheating, plagiarism, or inappropriately using the work of others to satisfy course requirements, will not be tolerated and may result in failure of the affected assignments and/or failure of this class.

COURSE GRADE PROCEDURES:

Final grade is based on performance within the lab on problems assigned to teach and sharpen drafting skills.

Approximate value of assignments:

Drawings	55%
Building project	5%
Tests and quizzes	15%
Final exam	20%
Portfolio	5%

Letter grades will be determined as follows:

A - 100-92

B – 91-84

C – 83-76

D – 75-68

F - Under 68

Required Drawings and Projects

Floor plan

Test

Foundation plan with appropriate wall section drawings

Test

Wall section – model to be built by student

Elevations

Perspective presentation view
 Electrical plan
 Test
 Plumbing plan
 Test
 Final Exam

Dates to Remember

Calendar Spring 2013

Spring Session, 2013 Dates Times	Spring Session, 2013 Dates Times	Spring Session, 2013 Dates Times
Advising/Registration by Appointment for Spring 2013 January 2 -- 4 8 a.m. - 4:30 p.m.	Advising/Registration by Appointment for Spring 2013 January 2 -- 4 8 a.m. - 4:30 p.m.	Advising/Registration by Appointment for Spring 2013 January 2 -- 4 8 a.m. - 4:30 p.m.
Registration, Payment of Tuition & Add/Drops January 2 -- 4	Registration, Payment of Tuition & Add/Drops January 2 -- 4	Registration, Payment of Tuition & Add/Drops January 2 -- 4
Faculty Planning and Preparation Days January 2 -- 4	Faculty Planning and Preparation Days January 2 -- 4	Faculty Planning and Preparation Days January 2 -- 4
Classes Begin January 7	Classes Begin January 7	Classes Begin January 7
Late Registration January 7--11	Late Registration January 7--11	Late Registration January 7--11
Last Day for New Registration January 11	Last Day for New Registration January 11	Last Day for New Registration January 11
*Swaps/Drops only January 14--15		*Swaps/Drops only January 14--15
*Swaps cannot be processed without the approval of the instructor.	*Swaps cannot be processed without the approval of the instructor.	*Swaps cannot be processed without the approval of the instructor.
Holiday (College Closed) January 21	Holiday (College Closed) January 21	Holiday (College Closed) January 21
Last Day to Withdraw with Full Tuition Refund	Last Day to Withdraw with Full Tuition Refund	Last Day to Withdraw with Full Tuition Refund
NOTE: Classes of shorter duration may have different deadlines. Contact the Admissions Office at 434.797.8467 for more information. January 23	NOTE: Classes of shorter duration may have different deadlines. Contact the Admissions Office at 434.797.8467 for more information. January 23	NOTE: Classes of shorter duration may have different deadlines. Contact the Admissions Office at 434.797.8467 for more information. January 23
Mid Term Grades Posted March 4--8	Mid Term Grades Posted March 4--8	Mid Term Grades Posted March 4--8
Spring Break March 11--15	Spring Break March 11--15	Spring Break March 11--15
Last Day to Withdraw w/o Mitigating Circumstances (W grade issued) March 21	Last Day to Withdraw w/o Mitigating Circumstances (W grade issued) March 21	Last Day to Withdraw w/o Mitigating Circumstances (W grade issued) March 21
Advising by Appointment/ Registration for Summer Semester 2013 April 1--29	Advising by Appointment/ Registration for Summer Semester 2013 April 1--29	Advising by Appointment/ Registration for Summer Semester 2013 April 1--29
Institutional Effectiveness Day April 11	Institutional Effectiveness Day April 11	Institutional Effectiveness Day April 11
Classes End April 29	Classes End April 29	Classes End April 29
Exams April 30--May3, 6	Exams April 30--May3, 6	Exams April 30--May3, 6

