COURSE TITLE **BLACKBOARD SITE**	ARC 4813 - Advanced Revit Online Spring 2011 – http://my.ltu.edu and select 3426-Advanced Revit
INSTRUCTOR	**Janice Grant** Adjunct Faculty - Lawrence Tech University Contact Information Email: jgrantaia@sbcglobal.net Cell phone number: 586.344.6472 Office hours by appointment
SCHEDULE	January 10, 2010 – May 07, 2010 Refer to http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp for the last date to withdraw and other important registration related information.
LEVEL/ HOURS **PREREQUISITE**	College of Architecture and Design Course/ 3 credit hours Must have Revit Architecture experience or proof of proficiency.
REQUIRED TEXT (See Blackboard for additional resources)	Mastering Revit Architecture 2010 by Greg Demchak, Tatjana Dzambazova and Eddy Krygiel, Wiley Publishing, Inc., ISBN: 978-0-470-45649-1 Available for online purchase through LTU Bookstore at: http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489
ADDITIONAL RESOURCES	LTU Online student resources: http://www.ltu.edu/ltuonline/
TECHNICAL SUPPORT	Technical support for using Blackboard is provided by the Helpdesk. Visit www.ltu.edu/ehelp or 248.204.2330 or helpdesk@ltu.edu

CATALOG DESCRIPTION

This course explores the more in-depth features of the Revit Architecture program and expands on the basic 3D modeling techniques as well as introducing the more advanced features of the Revit Architecture program including but not limited to custom family creation, working with design options, rendering and sun/shadow studies. An emphasis is put on those features that will be most beneficial to the student as they enter the profession.

It is important for you as students to know what to expect from me as your instructor:

- I will be available to you via e-mail and phone, and will promptly reply to your messages.
- I will be available to you for face-to-face appointments as requested.
- I will maintain the Blackboard web site with current materials, and will resolve any content-related problems promptly as they are reported to me.
- I will send out a weekly e-mail update to all class members to guide upcoming work and remind you of assignment due dates.
- I will return all assignments to you promptly, and will include individualized comments and suggestions with each assignment.
- I will hold our personal written or verbal communications in confidence. I will not post any of your assignments for viewing by the class without requesting your approval in advance.
- I will treat all members of the class fairly, and will do my best to accommodate individual learning styles and special needs.
- If any of these points need clarification, or when special circumstances arise that require my assistance, please contact me so that we can discuss the matter personally.

COURSE SCHEDULE FOR TRADITIONAL SEMESTER COURSES

This fully online course begins with a partial week online course orientation period to familiarize yourself with the online learning environment and to meet online or via the phone with your instructor. Details about each Module will be posted on Monday at 12:00 am and due before Sunday at 11:59 pm. Please do not hesitate to keep in touch via email or phone if you have any questions or concerns. Thank you.

Dates	Modules	Topics / Readings	Assignments Due
Prior to Semester Start and Jan 10 – Jan 12	Module 0	Instructor and Student Introduction Course orientation Syllabus Review View Course Guide Presentation	Individual pre-assessment Student Introduction
Week of Jan 10 – Jan 16	Module 1	Chapter 1 - 3 Basic BIM/Revit Fundamentals and Basic Editing Tools Presentation Video	Assignment 1 #1 Bb Discussion Board
Week of Jan 17 – Jan 23	Module 2	Chapter 4 - 5 Setting Up Your Templates Customizing System Families Presentation Video	Assignment 2 Quiz #1 Module 1 - 2
Week of Jan 24 – Jan 30	Module 3	Chapter 6 - 7 Modeling Principles in Revit Presentation Video	Assignment 3 #2 Bb Discussion Board
Week of Jan 31 – Feb 6	Module 4	Chapter 8 - 9 Conceptual Mass Presentation Video	Assignment 4 Quiz #2 Module 3 - 4
Week of Feb 7 – Feb 13	Module 5	Chapter 10 - 11 Working with Design Options Creating Custom 3D Content Presentation Video	Assignment 5 #3 Bb Discussion Board
Week of Feb 14 – Feb 20	Module 6	Chapter 12 Extended Modeling Tech for Walls Presentation Video	Assignment 6 Quiz #3 Module 5 - 6
Week of Feb 21 – Feb 27	Module 7	Chapter 13 - 14 Modeling Tech for Roofs, Floors, Railings, Fences Presentation Video	Assignment 7 #4 Bb Discussion Board
Week of Feb 28 – Mar 6	Module 8	***Mid-Term Exam***	Mid-Term *Project* Assignment 8 Mid-Term *Exam* Module 1 - 7

Dates	Modules	Topics / Readings	Assignments Due
Mid-semester Break – No Classes			
Week of Mar 14 – Mar 20	Module 9	Chapter 15 - 16 Presentation Techniques Presentation Video	Assignment 9 #5 Bb Discussion Board
Week of Mar 21 – Mar 27	Module 10	Chapter 17 - 18 Preliminary Design: Sustainability Presentation Video	Assignment 10 Quiz #4 Module 9 - 10
Week of Mar 28 – Apr 3	Module 11	Chapter 19 - 20 Annotating Your Model Developing the Design with Smart Workflows Presentation Video	Assignment 11 #6 Bb Discussion Board
Week of Apr 4 – Apr 10	Module 12	Chapter 21 - 22 Design to Advanced Detailing Techniques Presentation Video	Assignment 12 Quiz #5 Module 11 - 12
Week of Apr 11 – Apr 17	Module 13	Chapter 23 Tracking Changes in Your Model Presentation Video	Assignment 13 #7 Bb Discussion Board
Week of Apr 18 – Apr 24	Module 14	Chapter 24 Worksharing Presentation Video	Assignment 14 Quiz #6 Module 13 - 14
Week of Apr 25 – May 1	Module 15	Appendix A & B Chapter Review and additional information Presentation Video	Assignment 15 #8 Bb Discussion Board
Week of May 2 – May 7	Final Exam	Course Summary Presentation Video End of Course	Final Exam

*Extra Credit points may be available for additional classroom online activities.

PRACTICAL GUIDELINES FOR CLASS LOAD EXPECTATIONS

A three-credit course generally requires at least nine hours per week of time commitment. Here are some practical guidelines to help schedule your time commitments for this online course:

- A 14-week semester would require at least 126 hours of time commitment to successfully complete all activities as described in this syllabus.
- You should reserve at least 6 hours per week to complete the activities.

These guidelines may not reflect the actual amount of outside time that you – as a unique individual with your own learning style – will need to complete the course requirements. The number of hours each week will vary based on assignment due dates. Please plan ahead to insure that you schedule your academic, work, and personal time effectively.

Please see the LTU Online "Current Students" web site http://www.ltu.edu/ltuonline/ for comprehensive information about Lawrence Tech's academic services, library services, student services, and academic integrity standards.

STUDENT EVALUATION

Grade Evaluation	Points
15 Assignments @ 30 pts	450
6 Module Quizzes @ 30pts	180
8 Discussion Forum @ 10 pts	80
Mid-Term Exam	145
Final Exam	145
Total Possible Points	**1000**
Online Participation is required	

Class Points	Letter Grade
930 and above	A
900 – 920	A-
870 – 890	B+
830 – 860	B
800 – 820	B-
770 – 790	C+
730 – 760	C
700 – 720	C-
670 – 690	D+
630 – 660	D
600 – 660	D-
590 and below	F

- *Note: Grades lower than a "B" fall below the LTU graduate standard*

Points will be deducted for late assignments.
If an assignment or quiz is late than there will be a 20% deduction of the total possible points (Example: a 30 point assignment grade is only worth 24 points). Once an assignment is late, it's late, so whether you turn it in one day late or one month late it will get deducted the same amount of points. Both Midterm and Final Exams will not be excepted late.

CLASS POLICIES AND EXPECTATIONS

- Each student has a LTU email account. If you wish to use a different email address for this course, please **change your email address in Blackboard under "Blackboard Tools", then "Personal Information"** and send an email to me so I can store your address in my email directory.
- Readings, discussion forum participation, assignments and quizzes must be completed according to the class schedule. It is important to contact me as needed to discuss personal needs regarding course requirements and assignments.
- It is essential that all students actively contribute to the course objectives through their experiences and working knowledge.
- All assignments must be submitted on schedule, via Blackboard, and using Microsoft Office compatible software. If you need to submit an assignment via email, contact please me in advance.
- Assignments must be completed to an adequate standard to obtain a passing grade. Requirements for each assignment are detailed in this syllabus.
- At midterm and at the end of the course, you will be invited to participate in a University evaluation of this course. Your feedback is important to the University, to LTU Online, and to me as an instructor, and I encourage you to participate in the evaluation process.