



General Overview |

EM2 will consist of two course sections concentrating on theory and practice in both areas. The first section focuses on basic modeling in 3DS Max 9 introducing basic and advanced commands that use the textbook below. Students will review and be tested on theoretical concepts and then apply their understanding of such concepts to complete practical exercises. The second section focuses on advanced modeling and animation. This focus of this section is on basic and advanced modeling techniques where students will also review and be tested on readings and concepts. Following the conceptual section of each weekly assignment students will complete practical exercises demonstrating thorough knowledge of the material covered. In addition students will complete two Portfolios (Midterm and Final) focusing on practical application of concepts covered in the assigned readings in the form of modeling and basic animations.

Textbooks |

3ds Max 9 Bible: *by Kelly Murdock*
Paperback: 1248 pages
Publisher: Wiley; Pap/DVD edition (January 30, 2007)
Language: English
ISBN-10: 0470100893
ISBN-13: 978-0470100899
Product Dimensions: 9.3 x 7.4 x 2.5 inches

Goals |

To provide instruction in the fundamentals related to a theoretical understanding of the basic skills and principles associated with 2D and 3D visualization including but limited to line drawing, page layout, modeling, rendering, and post production process.

Structure |

The course is structured to be completed entirely online with the use of the downloaded course module and blackboard. Since there is no scheduled class meeting times it is the responsibility of the STUDENT to schedule a time to complete the required course work. Embedded within the course module are tutorials and references that will aid the student in the completion of his/her work. Teaching assistants will also be available for help by email or the use of WIMBA LIVE on blackboard.

Course Module/Blackboard Site |

The EM2 online course is embedded within a course module that you will have to download off the blackboard site and unzip on the desktop of your personal computer. The course module contains assignments, tutorials, readings, and supplemental information. The Blackboard Site contains quizzes, exams, assignment submitting, student discussion panels, WIMBA Live, and general course information. The course module is in HTML format and is strongly encouraged to be viewed in Internet Explorer ONLY.

To Download the Course Module, download the zip file off blackboard and unzip to your personal computers desktop. Open the folder "Electronic Methods 2", and select the "Shortcut to Index" icon on the folder. A prompt will appear asking you to locate the page file. Select the "Browse" button and a link box will appear. Find the "Electronic Methods" folder that should be on your desktop, enter the "pages" folder and select "index" when completed hit open and OK. This will link the course module through the shortcut created in the main Electronic Methods folder. Every time you wish to enter to course

module you will only have to select the “shortcut to index” button. (you should not have to complete this step again once it is set up the first time)

Once in the Course Module, you may select EM1 to enter your course home page. On the homepage will be links to the Tutorials page, Weekly Assignments, General Course information, and Testing. The **Weekly Assignments** will give you information regarding each weekly assignment and required readings. The **General Course information** contains general information and tutorial files that will aid you in the “how to” submit assignments, and other frequently asked course questions. The **Tutorials** give you “click by click” walkthroughs of assignments and basic 3D Studio Max 9 commands. The **Testing** gives you information on quizzes and tests for the course.

Tutorial Portfolio |

Students are required to complete 2 major portfolios during the duration of the course. One is due at the end of the 5th week and one due the end of the 10th week. It is STRONGLY SUGGESTED that students work on the Tutorial Portfolios as they read their weekly readings. It is up to students to manage their time accordingly. Each portfolio focuses on tutorials outlined in the readings. Students will go through the readings and complete the assigned tutorials listed in the PowerPoint documents named MIDTERM TUTORIAL PORTFOLIO and FINAL TUTORIAL PORTFOLIO. Students will use simple copy/paste screen captures in order to convey the work done in the portfolios.

Assignments |

Students will submit assignments using blackboard. Assignments and required readings can be found in the **Project Portfolio (submittal file)** located under each week of the course module. Within the downloaded PowerPoint file, you will find the required **READINGS** and **EXERCISES** for that week. In the PowerPoint file you will also find examples of the required exercises. You will export your 3D Studio Max drawings as .jpeg’s and place them within the PowerPoint file. **[Refer to the text on how to render to capture your models in .jpeg form]**

Week 1: Introduction to AutoCAD / Advanced Basics

NOTE: Before you begin refer to *General Course Information* for instructions on the creating a PDF from your powerpoint files for submitting your assignments!

[Weekly Information \(.pdf\)](#) | [Project Portfolio \(submittal file\)](#) | [Flash Tutorials](#) | [Back to Top](#)

Weekly Overview: AutoCAD is the basic program used in the Architectural world today, and this week you will go through the basics of the program. Using the **Readings** as the primary tool for educating, the steps are easily spelled out to insure educational quality and understanding. Download the **Project Portfolio** (.ppt file) for samples of the assigned tasks. (1 file will be downloaded.) (You will be creating similar drawings and submit the Project Portfolio for grading.)

Goals: To learn the basic command and viewing functions of AutoCAD and apply them to future more detailed and indepth assignments. You will learn how to navigate through the drawing, and use object toolbars as well as create simple objects.

Final Output: 1 PowerPoint presentation that illustrates and explains your understanding of the programs basic outlined functions. (Your output will be contained within the downloaded Project Portfolio and submitted to blackboard.)

Grading: 50 points possible. (grading based on the understanding of concepts and tasks outlined in the readings)

Submitting Information: Submit PowerPoint file **as a PDF** to Blackboard under **Week 1 Assignment**. Please included your name and student ID in the title of your assignment. (example: *John Smith, ID #012345678, would name the file:*

JohnSmith_012345678_Week 1)

Example: Week 1

Once you complete each Assignment and you have all your drawings in the PowerPoint file, you must export it as a .pdf document, **[Refer to the general course information section of the course module to learn how to export as a .pdf if you do not know how to do so]**, and submit it to blackboard in the assignments section for the completed week. Please make sure your document is named correctly according to the example given in the **Submitting Information** of the weekly module.

Weekly Quizzes/Readings |

Each week you will take a 5 point quiz that covers the required readings from the textbooks. This quiz will be found on blackboard under the Quizzes/Exam section. Each student MUST complete and pass (4 out of 5 is required) the quiz in order for his/her weekly assignment to be graded. If the quiz is not completed then the assignment will not be graded and no credit will be given. If a student does not pass the quiz, he/she may retake the quiz until passed.

Exams |

After the completion of the first 5 weeks and the completion of the course (week 10) there will be an online exam. The exam will be multiple choice and open book/open note. The exam is meant to review the theories and concepts the student has learned from the past 10 weeks.

Grading | 1000 points possible

Weekly Assignments:	500 pts possible (50%) Grading based on completion, creativity, and understanding of material. Subtraction of points will occur when student does not demonstrate the minimum understanding requirements of the assignment.
Tutorial Portfolio's	400 pts possible (40%) two portfolio's 200 pts ea.
Online Exams (2 total):	100 pts possible (10%)
Weekly Quizzes:	pass/fail basis (quizzes can be taken as many times as it takes to pass. Each quiz will be out of 5 points and students must get no less than a 4 out of 5. Quizzes cover the assigned reading material and if not completed the weekly assignment will NOT be graded, and no credit will be given for that week)

A breakdown of each assignment is located in the weekly assignments section of the Course Module.

Weekly Breakdown | *This information is also found in the Portfolio Submittal file on the Course Module. The Portfolio Submittal file is also the file used for viewing and submitting your weekly assignments*

CRITICAL DUE DATES |

Week 1 Assignment (submit on Blackboard)	May 24 th
Week 2 Assignment (submit on Blackboard)	May 31 st
Week 3 Assignment (submit on Blackboard)	June 7 th
Week 4 Assignment (submit on Blackboard)	June 14 th
Week 5 Assignment (submit on Blackboard)	June 21 st
MIDTERM TUTORIAL PORTFOLIO (submit on Blackboard)	JUNE 21st
ONLINE EXAM (must be completed on blackboard no later then	JUNE 21st
Week 6 Assignment (submit on Blackboard)	June 28 th
Week 7 Assignment (submit on Blackboard)	July 5 th
Week 8 Assignment (submit on Blackboard)	July 12 th
Week 9 Assignment (submit on Blackboard)	July 19 th
Week 10 Assignment (submit on Blackboard)	July 23 rd
FINAL TUTORIAL PORTFOLIO (submit on Blackboard)	JULY 23rd
ONLINE EXAM (must be completed on blackboard no later then	JULY 23rd

***NOTE: all online quizzes for each chapter are due on the date of the weekly assignment portfolio**

