C O M 2 8 0 O B J E C T O R I E N T E D A NA L Y S IS A N D D E S IG N

R E V I E W D A T E: 0 9 / 2 0 0 9  
*Student Edits: 3/14/2014*

Course Outline (see course schedule f o r specific dates)

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| **Week** |  |  |  |
| **Days** | **Topic** | **Chapter or Resource** | **Activity** |
| 1  *5/28*  *5/30* | UML Fundamentals  Use Case Diagram  *Exercise 1 – Use Case Diagrams*  *Project 1 – Use Case Diagram* | Roff, Chapters 1 & 2 | Answer Questions in Manual  Develop a Use Case Diagram from a List of Business Requirements |
| 2  *6/4* | Object-Oriented Design | Roff, Chapter 3 | Answer Questions in Manual |
| 3  *6/11*  *6/13* | Activity Diagrams  *Exercise 2 – Activity Diagrams*  *Project 2 – Activity Diagram* | Roff, Chapter 4 | Develop an Activity Diagram From a List of Business Requirements |
| 4  *6/18* | Sequence Diagrams  *Exercise 3 – Sequence Diagram*  *Project 3 – Sequence Diagram* | Roff, Chapter 5 | Develop a Sequence Diagram From a List of Business Requirements  *Midterm Exam* |
| 5  *6/25*  *6/27* | Class Diagrams  *Exercise 4 – Class Diagram* | Roff, Chapter 6 | Develop a Class Diagram From a List of Business Requirements |
| 6  *7/2* | Collaboration Diagrams  *Exercise 5 – Collaboration* *Diagram*  *Project 4– Collaboration* *Diagram* | Roff, Chapter 7 | Develop a Collaboration Diagram From a List of Business Requirements |
| 7  *7/9*  *7/11* | Class Diagrams Revisited  *Exercise 5 – Class Diagram*  *Project 5 – Class Diagram* | Roff, Chapter 8 | Modify the Class Diagram with Newly Acquired Skills |
| 8  *7/16* | Sequence Diagram Revisited  *Project 3 – Sequence Diagram  (Updated)* | Roff, Chapter 9 | Develop a Sequence Diagram From a List of Business Requirements |
| 9  *7/23*  *7/25* | Statechart Diagram  *Exercise – Statechart* *Diagram* | Roff, Chapter 10 | Develop a Statechart Diagram From a List of Business Requirements |
| 10  *7/30* | Implementation Diagram  Present and Explain Diagrams  *Exercise – Implementation* *Diagram*  *Final Project* | Roff, Chapter 11 | Develop an Implementation Diagram From a List of Business Requirements  *Final Exam* |

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