

Department of Computer Science and Engineering  
College of Engineering, University of Nevada, Reno

CS 426

Senior Projects in Computer Science

February 23, 2016

Study required for the Midterm Test

The midterm test will be a 70-minute (1 hour and 10 minutes) closed-book exam. No supporting material is allowed. The test will take place on Thursday, March 10, 2016 from 9:30 am in the regular classroom, DMS-104. Its weight is 10% in the course grade.

For this test you are required to study the textbook and related presentations, and to know your own team's project parts so far (Concept & Management, Specification & Analysis, Project website). The chapters required from the textbook [Jim Arlow and Ila Neustadt, *UML 2 and the Unified Process: Practical Object-Oriented Analysis and Design*, 2<sup>nd</sup> Edition, Addison-Wesley, 2005] are the following:

<b>Chapter 1</b>	What is UML?
<b>Chapter 2</b>	What is UP?
<b>Chapter 3</b>	The requirements workflow
<b>Chapter 4</b>	Use case modeling
<b>Chapter 5</b>	Advanced use case modeling
<b>Chapter 7</b>	Objects and classes
<b>Chapter 8</b>	Finding analysis classes
<b>Chapter 9</b>	Relationships
<b>Chapter 11</b>	Analysis packages
<b>Chapter 14</b>	Activity diagrams
<b>Chapter 16</b>	The design workflow
<b>Chapter 17</b>	Design classes

From the above, the following sections or sub-sections are not required:

<b>Section 1.3</b>	The birth of UML
<b>Section 1.9</b>	UML common mechanisms
<b>Section 2.9</b>	UP phases
<b>Section 5.3</b>	Use case generalization
<b>Subsection 5.5.3</b>	Conditional extensions
<b>Section 7.6</b>	Scope
<b>Section 7.7</b>	Object construction and destruction
<b>Subsection 9.4.5</b>	Association classes
<b>Subsection 9.4.6</b>	Qualified associations
<b>Section 14.10</b>	Pins
<b>Subsection 17.6.2</b>	Multiple inheritance
<b>Section 17.8</b>	Nested classes