

**MATH 261– Calculus I      Section 1502      Fall 2015**

**Time:** M-Th 8:00-9:15.

**Room:** MSA-102.

**Prerequisite:** Math 260 with a grade of “C” or better, or an appropriate placement level demonstrated through math assessment process.

**Instructor:** Dr. Mohamad Alwash

**E-mail:** [alwashm@wla.edu](mailto:alwashm@wla.edu).

**Phone:** (310)287-4216

**Office:** MSB-212

**Office Hours:** M-Th 7:25-7:55 & 9:20-10:20

**Textbook:** Calculus, by James Stewart; 5<sup>th</sup> Edition.

**Homework and Quizzes:** Homework assignments will be given every day. Each assignment will be collected and graded, checked in class, or checked by a quiz. We shall also discuss the assigned questions during the next class period. Do not expect that we do all the questions in class. If you have more questions, please come to office hours. These assignments will make up 20% of the final course grade.

**Tests:** There will be five tests and a final. Each of the five tests is worth 10% of the final course grade. Makeup tests will be given to students possessing valid excuses. **Advanced notice is mandatory.**

**Final:** The final will be a comprehensive exam. It is worth 30% of your grade.

**Attendance:** If you miss four days, the instructor has the option of excluding you from the class.

**Summary:** Total 1000 points. Homework Assignments: 200 P Tests: 500 P Final: 300 P

**Grading:** A: 900-1000 B: 800-899 C: 700-799 D: 600-699 F: < 600

**Important Dates:** Last day to drop without a “W” 9/11/2015, with a “W” 11/20/2015

**Note:** *Phones, devices with communication ability, and calculators are not allowed on the tests.*

**Course SLO**

1. Use and interpret the derivative algebraically, graphically, and numerically to model rates of change in physical phenomena (e.g. velocity, acceleration, population growth, rates of change when the independent variable is not time) and in other quantifiable contexts (e.g. marginal analysis in economics, slope of a graph).
2. Use and interpret the integral algebraically, graphically, and numerically to model summation in physical phenomena (e.g. distance traveled) and other quantifiable situations (e.g. average value, net change).

The purpose of Math 261 is to introduce the concepts of limit, continuity, derivative, and integral for functions in one variable. We consider polynomial, rational, and trigonometric functions. Many applications of differentiation and integration are also given. **At least, the first six chapters of the textbook will be covered.**

**Students with disability** may contact Disabled Students Programs and Services (DSPS) in room SSB-320.

The College academic honesty policy (please read catalog) will absolutely upheld in this course. **Neither cheating nor copying will be tolerated.**

**Schedule (Tentative):**

**Final Exam: Wednesday 12/16/2015; 8-10.**

<b>Weeks</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>
<b>1(8/31)</b>	<b>1.1, 1.2</b>	<b>1.3</b>	<b>2.1, 2.2 Quiz1</b>	<b>2.3</b>
<b>2(9/7)</b>	<b>Holiday</b>	<b>2.4 Quiz2</b>	<b>2.5</b>	<b>Review Quiz3</b>
<b>3(9/14)</b>	<b>Test1</b>	<b>3.1, 3.2</b>	<b>3.3</b>	<b>3.4 Quiz4</b>
<b>4(9/21)</b>	<b>3.5</b>	<b>3.5 Quiz5</b>	<b>3.6</b>	<b>3.6 Quiz6</b>
<b>5(9/28)</b>	<b>3.7</b>	<b>3.8 Quiz7</b>	<b>3.9</b>	<b>3.10 Quiz8</b>
<b>6(10/5)</b>	<b>Review</b>	<b>Test2</b>	<b>4.1</b>	<b>4.2 Quiz9</b>
<b>7(10/12)</b>	<b>4.3</b>	<b>4.4</b>	<b>4.5</b>	<b>4.7 Quiz10</b>
<b>8(10/19)</b>	<b>4.7</b>	<b>4.8</b>	<b>4.9</b>	<b>Review Quiz11</b>
<b>9(10/26)</b>	<b>Test3</b>	<b>4.10</b>	<b>4.10</b>	<b>5.1 Quiz12</b>
<b>10(11/2)</b>	<b>5.2</b>	<b>5.2</b>	<b>5.3 Quiz13</b>	<b>5.4</b>
<b>11(11/9)</b>	<b>5.5</b>	<b>5.5</b>	<b>Holiday</b>	<b>Review Quiz14</b>
<b>12(11/16)</b>	<b>Test4</b>	<b>6.1</b>	<b>6.1</b>	<b>6.2 Quiz15</b>
<b>13(11/23)</b>	<b>6.2</b>	<b>6.3 Quiz16</b>	<b>6.3</b>	<b>Holiday</b>
<b>14(11/30)</b>	<b>6.4 Quiz17</b>	<b>6.4</b>	<b>6.5</b>	<b>Review Quiz18</b>
<b>15(12/7)</b>	<b>Test 5</b>	<b>Review</b>	<b>Review</b>	<b>Review</b>