

Central Texas College

CLASS SYLLABUS

Contemporary Math I

Fall 2010, 16 Aug – 9 Oct 2010

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TEXT: Central Texas college edition, *Thinking mathematically* taken from: *Thinking mathematically*, fourth edition by Robert Blitzer.

GRADING: You may earn 600 points in this course: 90 points for attending the class, midterm exam, 100 points, 200 points on the comprehensive final exam, 120 points on the homework, 90 points on class work. **Not doing homework or lack of attendance during recitation will lower your final letter grade.**

Grading Scale:

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
0 – 59%	F

EXAM DATES: **Midterm Exam** Wednesday Sept. 08, 2010, 6:00 -7:30 pm.

Final Exam Wednesday Oct. 6, 2010, 5:15 -7:15 pm. Place: Bldg 7656 room 12.

Missed Examinations: *If you miss or expect to miss any exam for a legitimate reason (for example, a serious illness), then notify the instructor as early as possible prior to the examination.*

STUDY ADVICE: Students are expected to attend all classes. Missing class can seriously affect your course grade. It is essential that you attempt the homework problems **before** going to recitation. **Solve lots of problems**, this the best way to solidify your understanding of mathematics and to prepare for exams. If you find you can't do something **ask for help**. All the exam problems will be based on lecture examples and the homework, so it is important that you attend the lectures and take good notes. Do all of the homework and do not throw away the returned homework! Your old homework and lecture notes will help you prepare for exams.

Fall 2010 term I assignments and due dates (Tentative):

Date	Section	Textbook	Practice problems	Homework problems	Due Date
Week #1 August 16-22	2.1: Basic set concepts	3,5,8, 9 ,10, 12 ,19, 20 ,24,27,30,31, 32 ,35,37,41, 44 ,47, 48 ,53,48,65, 66 , (7 points)		2.1: 19,27,30,35,41,47,65,38,33,39 (7 points)	Week #2
Week #1 Aug 16-22	2.2: Subsets	17,19, 20 ,25, 27 ,29, 30 ,35, 36 ,39, 40 ,42,46,48, 50		2.2 : 22, 31,33, 41,49	Week #2
Week #2 August 23-29	2.3: Venn Diagrams and set operations	2, 3 ,5,6, 8 ,9,10, 11 ,21,23, 24 ,32,34,37,50, 51 ,52,57, 58 ,59, 60 ,64,65, 66 ,74,77,78		2.3: 4,7,12,28,63,76, _____	Week #3
Week #2	2.5: Survey Problems	2, 3 ,5,6, 8 ,9,10, 11 ,21,23, 24 ,32,34,37,50, 51 ,52,57, 58 ,59, 60 ,64,65, 66 ,74,77,78		2.5: 4,7,12,28,63,76, _____	Week #3
Week# 3 August 30-Sept.5	3.1: Statements, Negations, and quantified Statements	3, 10 ,21, 22 , 23,25, 26 ,28, 29 ,30, 31 , _____, 37, 38, 39 ,41,42, 43 ,51,52,56,57.		3.1: 11,15,17,26,44,53,54,55,60	Week# 4
Week #3	3.2: Compound Statement and connectives	1,2, 4 , 7,8, 9 , 11,12, 14 , 27,28, 29 , 33,36, 37 , 41,42, 45 , 49,50, 52 ,59,60, 61 , 81,82, 83 ,101,102,103, 104		3.2: 5,10,15,30,38,48,56,63,84,105,106.	Week #4
Week #4 Sept. 6-12	3.3: Truth Tables for negation	3.3: 9,10,11, 12 ,8,19, 20 ,21,27,30,33, 39 ,45,46 47 ,55,57, 59 ,58,, 61 ,63, 65 ,71,72,75,77, 78 , 79 ,81,82, 84 . Mid Term Sept. 8.		3.3: 14,22,42,50,60,54,64,66,80,86	Week #5
Week #5 Sept. 13-19	3.4: Truth Tables for the conditional and the conditional	3.4: 1,2,3, 7 ,11, 13 ,12,,22, 23 ,24,25, 27 ,31, 32 ,33,35,38, 42 ,57, 58, 60 , 65,68,71, 72 ,75,77, 78 ,83,84, 85 ,87,88, 90		3.4: 4,14,29,44,61,74,76,86,89	Week #6

Date	Section	Textbook	Practice problems	Homework problems	Due Date
Week #5	<u>5.1</u> prime and composite numbers	17,19, <u>20</u> ,25, <u>27</u> ,29, <u>30</u> ,35, <u>36</u> ,39, <u>40</u> ,42,46,48, <u>50</u> , <u>95,96,97</u>		<u>5.1</u> : 22, 31,33, 41,49,61,58,22,68, 43,53,98.	Week# 6
Week #6 Sept.20-26	<u>5.2</u> :The integers ; order of operations	2, <u>3</u> ,5,6, <u>8</u> ,9,10, <u>11</u> ,13, <u>14</u> , 21,23, <u>24</u> ,32,34,37,50, <u>51</u> ,52,57, <u>58</u> ,59, <u>60</u> ,64,65, <u>66</u> ,74,77, <u>78</u> ,85,90, <u>92</u> ,109, <u>110</u>		<u>5.2</u> : 4,7,12,28,63,76,94,111,113	Week #7
Week #6	<u>5.3</u> :The Rational Numbers	2, <u>3</u> ,5,6, <u>8</u> ,9,10, <u>11</u> ,21,23, <u>24</u> ,32,34,37,50, <u>51</u> ,52,57, <u>58</u> ,59, <u>60</u> ,64,65, <u>66</u> ,74,77,78,115, <u>116</u>		4,7,12,28,63,76,94,99,117,119, 130.	Week #7
Week #7 Sept.27-Oct.3	<u>5.6</u> :Exponents and scientific notation	3, <u>10</u> ,21, <u>22</u> ,23,25, <u>26</u> ,28, <u>29</u> ,30, <u>31</u> ,37,38, <u>39</u> ,47,60,62, <u>64</u> , <u>65</u> ,85,86, <u>88</u> , 103,105, <u>105</u> , <u>106</u>		<u>5.6</u> :11,15,17,26,32,63,75,78,90, 109,111	Week #8
Week #7	<u>6.1</u> :Algebraic Expressions and formulas <u>6.2</u> :Linear Equations in one variable	<u>6.1</u> :9, , <u>12</u> ,8,19, <u>20</u> ,31,37 ,38, <u>39</u> ,60,62, <u>63</u> ,65,66 , <u>67</u> , <u>68</u> . <u>6.2</u> :25,33,36, <u>38</u> , <u>42</u> ,46,49,56, <u>58</u> ,63,67, <u>68</u> ,86, <u>88</u> , 97,98, <u>99</u> , <u>100</u>		<u>6.1</u> ::5,10,15,30,38,48, 56,63,69,70,71,72. <u>6.2</u> :11,13,22,70,79,87,102, 103,104,105	Week #8
Week #8 Oct. 4-9	<u>6.6</u> : Quadratic equations <u>7.1</u> Graphing the functions	<u>6.6</u> :9,, <u>12</u> ,8,19, <u>20</u> ,31, <u>32</u> ,37,38, <u>39</u> ,53,55,56, <u>57</u> , <u>60</u> ,65,66 , <u>67</u> , <u>68</u> . 83,84,85,86,87,88, <u>89</u> , <u>90</u> . <u>7.1</u> : 3,4,5,15, <u>26</u> ,30,32, <u>43-58</u> .		<u>6.6</u> ::14,22,42,50,60,54,58,59,63, 81,82 <u>7.1</u> ; 41,42,59,60,63 -----	Week #8
Review and Final Exam					