

Central Texas College

CLASS SYLLABUS Spring 2010 term II

Contemporary Math I

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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: Monday April 26, 2010: Midterm Exam, 6:00 -7:30 pm.

Wednesday May 26, 2010: Final Exam, 5:15 -7:15 pm. Place: Bldg 215 29B.

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.

Spring 2010 term II assignments and due dates (Tentative):

Date	Section	Textbook	Practice problems	Homework problems	Due Date
March 29	2.1: Basic set concepts	3,5,8, <u>9</u> ,10, <u>12</u> ,19, <u>20</u> ,24,27,30,31, <u>32</u> ,35,37,41, <u>44</u> ,47, <u>48</u> ,53,48,65, <u>66</u> , (7 points)		2.1: 19,27,30,35,41,47,65,38,33,39 (7 points)	March 31
March 31	2.2: Subsets	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> (5 points)		2.2 : 22, 31,33, 41,49 (5 points)	April 05
April 05	2.3: Venn Diagrams and set operations	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 (8 points)		2.3: 4,7,12,28,63,76, (10 points)	April. 07
April. 07	2.5: Survey Problems	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 (8 points)		2.5: 4,7,12,28,63,76, (10 points)	April. 12
April. 12	3.1: Statements, Negations, and quantified Statements	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> ,41,42, <u>43</u> ,51,52,56,57. (8 points)		3.1: 11,15,17,26,44,53,54,55,60 (10 points)	April. 14
April 14	3.2: Compound Statement and connectives	1,2, <u>4</u> , 7,8, <u>9</u> , 11,12, <u>14</u> , 27,28, <u>29</u> , 33,36, <u>37</u> , 41,42, <u>45</u> , 49,50, <u>52</u> ,59,60, <u>61</u> , 81,82, <u>83</u> ,101,102,103, <u>104</u> (8 points)		3.2: 5,10,15,30,38,48,56,63,84,105,106. (10 points)	April 19
April 19	3.3: Truth Tables for negation	3.3: 9,10,11, <u>12</u> ,8,19, <u>20</u> ,21,27,30,33, <u>39</u> ,45,46, <u>47</u> ,55,57, <u>59</u> ,58,, <u>61</u> ,63, <u>65</u> ,71,72,75,77, <u>78</u> , <u>79</u> ,81,82, <u>84</u> . (8 points)		3.3: 14,22,42,50,60,54,64,66,80,86 (10 points)	April. 21
April. 21	3.5: Equivalent Statements, Variations of conditional statements, and De Morgan's law	3.4: 1, <u>2</u> ,3, <u>7</u> ,11, <u>13</u> ,12,,22, <u>23</u> ,24,25, <u>27</u> ,31, <u>32</u> ,33,35,38, <u>42</u> ,57, 58, <u>60</u> , 65,68,71, <u>72</u> ,75,77, <u>78</u> ,83,84, <u>85</u> ,87,88, <u>90</u> (8 points)		3.4: 4,14,29,44,61,74,76,86,89 (10 points)	April. 26
April. 26	Review and Mid-Term Exam				

Date	Section	Textbook	Practice problems	Homework problems	Due Date
April. 28	5.1 prime and composite numbers	17,19, 20 ,25, 27 ,29, 30 ,35, 36 ,39, 40 ,42,46,4748, 50,115 ,116, 117		5.1: 22, 31,33, 41,49,61,58,22,68, 43,53.90. (10 points)	May 03
May 03	5.2: The integers ; order of operations	2, 3 ,5,6, 8 ,9,10, 11 ,13, 14 , 21,23, 24 ,32,34,37,50, 51 ,52,57, 58 ,59, 60 ,64,65, 66 ,74,77, 78 ,85,90, 92 ,109, 110 . (8 points)		5.2: 4,7,12,28,63,76,94,111,113 (10 points)	May 05
May 05	5.3: The Rational Numbers	2, 3 ,5,6, 8 ,9,10, 11 ,21,23, 24 ,32,34,37,50, 51 ,52,57, 58 ,59, 60 ,64,65, 66 ,74,77,78,115, 116 (8 points)		4,7,12,28,63,76,94,99,117,119, 130. (10 points)	May 10
May 10	5.6: Exponents and scientific notation	3, 10 ,21, 22 ,23,25, 26 ,28, 29 ,30, 31 ,37,38, 39 ,47,60,62, 64 , 65 ,85,86, 88 , 103,105, 105 , 106 (8 points)		5.6: 11,15,17,26,32,63,75,78,90, 109,111 (10 points)	May 12
May 12	6.1: Algebraic Expressions and formulas	6.1: 9, , 12 ,8,19, 20 ,31,37 ,38, 39 ,60,62, 63 ,65,66 , 67 , 68 . (8 points)		6.1: :5,10,15,30,38,48, 56,63,69,70,71,72. (10 points)	May 17
May 17	6.6: Quadratic equations	6.6: 9,, 12 ,8,19, 20 ,31, 32 ,37,38, 39 ,53,55,56, 57 , 60 ,65,66 , 67 , 68 . 83,84,85,86,87,88, 89 , 90 . (8 points)		6.6:: 14,22,42,50,60,54,58,59,63, 81,82, (10 points)	May 19
May 19	7.3 System of linear equations in two variabls	7.3 26,28,32, 27 , 33 , 36 . (8 points)		7.3: 34,35, (10 points)	May 26
----- May 26		Review and Final Exam		-----	-----