MATH-1B   *Calculus II*   **Spring 2019**

MATH-001B.01   Monday through Friday: 10:30am-11:20am in E33
INSTRUCTOR: Dr. Iaroslav Kryliouk   **OFFICE:** S76C
PHONE (408)-864-8865   E-**MAIL:**krylioukiaroslav@fhda.edu
OFFICE HOURS: Daily, 9:45am-10:15am and Monday through Thursday 12:25pm-12:45pm in S76C; or by an appointment.

Course Description: Fundamentals of integral Calculus.

Text: *Calculus (Early transcendentals with Selected Classical Problems)*, by James Stewart, 8th edition (Cengage)

Prerequisites: Mathematics 1A and either Mathematics 43 with a grade C or better, or appropriate score on Calculus Placement Test within past calendar year.

        Reading your textbook will be essential. The exercise sets are written with the intent to forcing the student to approach problems graphically and numerically, as well as using the traditional symbolic (algebraic) approach. There is such variety in the exercise sets, that a few lecture examples often can't illustrate every type of question in the homework. This make the reading a crucial part of the student's day-to-day work. The De Anza College catalog advises students to do at least 2 hours of work outside the classroom for each hour spent in class.

Technology: Students must have a graphing calculator. The instructor will use a Texas Instruments TI-84 plus in lectures. Consequently, the TI-84 plus (or TI-84, TI-83+, TI-83) is recommended for the students, but any graphing calculator that has a "table" feature is acceptable. (The old TI-81 and TI-85 models do *not* have a table feature!). *Any calculators that can do symbolic mathematics such as TI-89 or HP-49 are not allowed on exams and quizzes.*

Quizzes: There will be 6 quizzes. The lowest score will be dropped.

Tests: There will be four (4) tests worth 100 points each. Unless otherwise indicated, the graphics calculator will be required for tests. Material from any lecture, homework assignment, or quiz is fair game on test day.

        The tentative schedule (subject to revision) of tests and the material covered is the following:
Test 1: April 23, Chapter 5.
Test 2: May 7, Chapter 6.
Test 3: May 24, Chapter 7.
Test 4: June12, Chapter 8, Sec. 10.1, and Sec.10.2.

Makeup Tests: There are no make –up tests, *under any circumstances.* If a test is missed, the percentage on the final exam will replace the score of the missing exam. If a second exam is missed, the grade will be a zero.
The lowest score of 4 regular tests will be replaced by a percentage on the final exam, provided the latter is higher.

Final Exam: There will be a mandatory comprehensive two-hour final exam worth 200 points, and this exam *must* be taken during the scheduled exam time on Thursday, June 27, 9:15am-11:15am in E33.

Homework: WEBASSIGN: http://www.webassign.net
- **Online homework system: REQUIRED** in this class
- You are required to do homework and turn in it by the weekly due dates using Webassign. Homework will be graded in Webassign.

Projects: From time to time you may have mini-projects. Points earned for mini-projects will apply to your total grade. These are bonus points!

Attendance: Attendance will be taken at each session. **You are expected to attend all classes on time.** If you miss 3 class meetings, you may be dropped from the class. However this is your responsibility to drop the course officially if you decide not to attend any longer. The students are responsible for any material covered and any announcements made in their absence.

Final Grade: Your final grade will be determined based on the following:

Grading Scale:

Quizzes, HW			
(100+50)	150 pts	X>=723 (96.5%)=A+	X>=566 (75.5%)=C+
Test 1	100 pts	X>=697 (93%)=A	X>=525 (70%)=C
Test 2	100 pts	X>=671 (89.5%)=A-	X>=450 (60%)=D
Test 3	100 pts	X>=645 (86%)=B+	X<450 (60%)=F
Test 4	100 pts	X>=618 (82.5%)=B	
Final Exam	200 pts	X>=592 (79.0%)=B-	
Total Points	X=750 pts		

Missing one of the major tests is made up through added weight on the comprehensive final exam. Missing additional tests results in a score of zero.

*** NO OTHER MAKE-UPS WILL BE GIVEN***

A grade of "I" (incomplete) will be given at the instructor's discretion, if:
       i)   A student has successfully completed at least 75% of the course work, and
      ii)   has shown acceptable evidence which justifies his/her incomplete work.

Important Dates:

Apr 8-Spring quarter classes begin
Apr 20-Last day to add quarter-length class
Apr 21-Last day to drop for a refund for resident students
Apr 23-Test 1
May 7-Last day to request pass/no pass
May 7-Test 2
May 24-Test 3
May 25-27-Memorial Day Weekend (college closed)
May 27-Last day to drop with "W"
June 12-Test 4
June 21-Spring quarter classes end
June 27, Monday, 9:15am-11:15am -Final Exam

*** (N.B.: It is the student's responsibility to complete the withdrawal process. Student who stop attending class are NOT automatically dropped. A student who stops attending class and does not complete the withdrawal process receives the grade of "F")

Academic Misconduct: Academic dishonesty will not be tolerated. If a student is found cheating on an exam, plagiarizing on writing assignments, or violating other codes of academic integrity, he or she will receive a failing grade for the course and may be reported to the college for an appropriate action. See section on Academic integrity in your current schedule of classes catalog.

If you are student with a disability: For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see contacts below:
    Disability Support Service (DSS): Student Services Building (408) 864-8753;TTY 408) 864-8753
    Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839
    Special Education Division: 864-8407; www.deanza.edu/specialed

MATH-1B   DE ANZA COLLEGE   SPRING QUARTER 2019

TENTATIVE CALENDAR

	MONDAY	TUESDAY	WEDNESDA	THURSDAY	FRIDAY
APR	**8** Classes start Sec. 5.1	**9** Sec. 5.1	**10** Sec. 5.2	**11** Sec. 5.3	**12** Sec. 5.3
APR	**15** *Quiz 1*	**16** Sec. 5.4	**17** Sec. 5.5	**18** Sec. 5.5	**19** *Quiz 2* **Apr 21, Last day to add/drop for a refund**
APR	**22** **Review**	**23** **Test 1** **(Ch 5)**	**24** Sec. 6.1	**25** Sec 6.2	**26** Sec. 6.2 **Apr 28, Last day to drop**
APR / MAY	**29** Sec. 6.3	**30** *Quiz 3*	**1** Sec. 6.4	**2** Sec. 6.4	**3** Sec. 6.5 **Last day to request Pass/No Pass grade**
MAY	**6** **Review**	**7** **Test 2** **(Ch 6)**	**8** Sec. 7.1	**9** Sec. 7.2	**10** Sec. 7.3
MAY	**13** Sec. 7.3	**14** Sec. 7.4	**15** *Quiz 4*	**16** Sec. 7.5	**17** Sec. 7.6
MAY	**20** Sec. 7.6/7.7	**21** Sec. 7.7	**22** Sec. 7.8	**23** **Review**	**24** **Test 3** **(Ch7)**
MAY	**27** **Memorial Day**	**28** Sec. 10.1	**29** Sec. 10.2	**30** Sec. 8.1	**31** Sec. 8.2 **Last day to drop w/"W"**
JUN	**3** Sec. 8.2	**4** Sec. 8.3	**5** Sec. 8.3	**6** *Quiz 5*	**7** Sec. 8.4
JUN	**10** Sec. 8.5	**11** **Review**	**12** **Test 4** **(Ch 8)**	**13** Sec. 9.1	**14** Sec. 9.1
JUN	**17** Sec. 9.2	**18** Sec. 9.3	**19** *Quiz 6*	**20** Hyperbolic Functions	**21** **Review** **for FE**
JUN	**24**	**25**	**26**	**27** **Final Exam** **9:15-11:15am**	**28**

Student Learning Outcome(s):

*Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
*Formulate and use the Fundamental Theorem of Calculus.
*Apply the definite integral in solving problems in analytical geometry and the sciences.