MAP 2302: Differential Equations  
Summer 2015

INSTRUCTOR: Sidra Van De Car

E-MAIL: ivandecar@valenciacollege.edu

PHONE: 407-582-2032

OFFICE: 6-227

STUDENT ENGAGEMENT HOURS:
M 8:30A – 9:30A in 6-227
T 8:30A – 9:30A and 2:30P – 3:00P in 6-227
W 8:30A – 9:30A and 1:15P – 2:15P in 6-227
R 8:30A – 9:30A and 2:30P – 3:00P in 6-227
F 9:00A – 11:00A via e-mail
Su 7:00P – 9:00P via e-mail

COURSE INFO: This course (CRN: 30495) meets on MW from 11:30A – 1:05P in 8-242.

DESCRIPTION: Introduction to methods and applications of ordinary differential equations. Topics include first order differential equations and applications; higher order linear differential equations with applications; Laplace transforms; introduction to numerical methods. Gordon Rule course. Minimum grade of C required if MAP 2302 is used to satisfy Gordon Rule and general education requirements.

PREREQUISITES: Minimum grade of C in MAC 2313 or department approval.


REQUIRED MATERIALS: Graphing Calculator (TI-83, TI-89, or TI-92 recommended). The TI-89 will be the modeled demonstrated in class. If a student chooses to use a calculator other than the TI-89, he will be responsible for learning how to use his calculator. The student is not permitted to store information or unapproved programs in his calculator. The instructor reserves the right to inspect and/or reset the memory of each student’s calculator. Any student found with inappropriate information stored in the calculator will be subject to action described by the instructor’s policy on academic honesty (see below).

3” x 5” notecards

ATTENDANCE: Attendance will be taken at every class meeting. If a student should need to miss class, he should contact the instructor as soon as possible. It is the student's responsibility to find out what material and assignments were missed due to an absence. **Please note:** I do not withdraw students for lack of attendance; if you wish to withdraw from the course, please do so through ATLAS before the withdrawal deadline.

EXAMS: There will be 3 exams. Each exam is worth 22.5% of the final course grade. There will be no make-up exams during the semester unless the absence is excused by college policy (e.g., religious holidays or college sponsored events requiring a student's attendance). The instructor has the right to ask for documentation to determine whether an absence is excused. If an exam is missed for another legitimate reason (to be determined by the instructor) then a comprehensive final exam may be used to replace the missing test grade.
ATLAS: Students should familiarize themselves with their individual ATLAS accounts. Throughout the semester, the instructor may send e-mail pertaining to the course through the ATLAS system. The student is responsible for checking his ATLAS e-mail account regularly.

HOMEWORK: Homework will be assigned at each class meeting. The student is expected to attempt every problem before coming to class. Occasionally, homework may be collected for a grade.

QUIZZES: There will be unannounced quizzes throughout the semester. In class quizzes will account for 10% of the student’s final grade and may be given during the first 5 minutes of class. There will be NO make-up quizzes. If the student arrives late to class or is absent, a grade of zero will be recorded for the quiz.

FINAL EXAM: The final exam is comprehensive and mandatory. A grade of F will be assigned to any student who fails to take the final exam.


WITHDRAWAL DEADLINE: Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline of July 10, 2015 will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of “W.” Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of “F.” For a complete policy and procedure overview on Valencia Policy 4-07 please go to: http://valenciacc.edu/generalcounsel/policydetail.cfm?RecordID=75.

GRADING: 3 Exams 67.5%
Homework/Quizzes/Class Participation 10%
Final Exam 22.5%

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69</td>
<td>D</td>
</tr>
<tr>
<td>0 – 59</td>
<td>F</td>
</tr>
</tbody>
</table>

EXTRA HELP: Besides visiting your instructor’s office to ask questions, please visit the Math Support Center (4-108) for help with homework or general tutoring or check out the collection of video tapes in the library dealing with the course material.

CELL PHONES: Students are required to turn off all cell phones and pagers before the beginning of class. If a cell phone or pager vibrates or is audible, the student may be asked to turn it off or leave for the remainder of the class. If there is an emergency situation warranting the use of a cell phone or pager during class time, the student must notify the professor in writing prior to the beginning of class. During a testing situation, if a cell phone or pager vibrates or is audible, the student’s quiz, test, or examination may be collected and the student may be asked to leave without an option for completion.

ACADEMIC HONESTY: All forms of academic dishonesty are prohibited at Valencia. Academic dishonesty includes, but is not limited to, plagiarism, cheating, furnishing false information, forgery, alteration or misuse of documents, misconduct during a testing situation, and misuse of identification with intent to defraud or deceive. Sanctions available to the professor should a violation occur are described in the Valencia Student Handbook or online at http://valencia.cc.fl.us/policies/PDF/10-16.pdf.
STUDENT CODE OF CLASSROOM CONDUCT:

Valencia is dedicated not only to the advancement of knowledge and learning, but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the professor. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the professor to leave the class. Violation of any Valencia policies/procedures or classroom rules may lead to disciplinary action up to and including expulsion from the College. Disciplinary action could include being withdrawn from the class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. Valencia’s Student Code of Classroom Conduct (Policy 10-18) can be found in the current Student handbook, or online at [http://valencia.cc.fl.us/policies/PDF/10-18.pdf](http://valencia.cc.fl.us/policies/PDF/10-18.pdf). Additional information is available in the College Catalog ([http://valenciacc.edu/catalog/04-05/default.htm](http://valenciacc.edu/catalog/04-05/default.htm) on page 65 - 66).

VALENCIA CORE COMPETENCIES:

Valencia faculty have defined four interrelating competencies (Think, Value, Communicate, Act) that prepare students to succeed in the world community. These competencies are outlined in the College Catalog. In this course, through classroom lecture and discussion, group work, and other learning activities, you will further your mastery of those core competencies. Additional information is available in the College Catalog ([http://valenciacc.edu/catalog/04-05/default.htm](http://valenciacc.edu/catalog/04-05/default.htm) on page 14).

STUDENTS WITH DISABILITIES:

Students with disabilities who qualify for academic accommodations must provide a notification from the Office for Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities. The East Campus Office is located in Building 5, Room 216.

VALENCIA I.D. CARDS:

Valencia ID cards are required for LRC, Testing Center, and IMC usage. No other form of ID at those locations will be accepted. Possession and utilization of a Valencia ID is mandatory in order to obtain these services.

COMPUTER/EQUIPMENT USE POLICY:

Use of computers in the Business, IT, and Public Service classrooms at Valencia College is restricted to those activities designated by the instructor to enhance the class materials. Any other use is strictly forbidden. Inappropriate use includes, but is not limited to:

- Use of computer to send E-mail or access Internet sites not specifically assigned in class.
- Use of computer for job, internship, homework or other activities not assigned in class.
- Modifying any hardware or software system configuration or setting.
- Activities not in accordance with the Valencia Student Code of Conduct

Use of computers in the departmental open lab is limited to those activities involved with preparing homework or coursework in this department and is subject to the same restriction as listed above.

Computer use is remotely monitored; any student using computers inappropriately may be subject to dismissal from class or banishment from the lab. Subsequent offense may be sent to the campus administration for further disciplinary action.

ADDENDA:

This syllabus is subject to change and any changes will be submitted to the student in writing. Material generated by the instructor (including lectures and printed material) is protected under the intellectual copyright laws of the United States. No reproduction of such materials may be made without the explicit permission of the instructor (including audio or video taping of the lectures).