Hybrid CRNs 15232 & 15233

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This syllabus is a contract between the student and the instructor. By enrolling and attending in this course, the student agrees to and accepts the terms and conditions of this contract. It is the responsibility of the student to carefully read this syllabus/contract in its entirety and to adhere to all policies and procedures within.

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**Course Information**

**Course Description:** Credit Hours: 3

Prerequisite: Minimum grade of C in MAT 0018C or higher.

Topics include systematic counting, probability, statistics, geometry, sets, logic, and the history of mathematics. Gordon Rule course. Minimum grade of C required if MGF 1106 is used to satisfy Gordon Rule and general education requirements. This course is not a prerequisite for any other mathematics course. Credit may not be given for both MGF 1106 and MGF 2106 not for MGF 1106 and MGF 2202.

**Course Outcomes:**

* Demonstrate an understanding of mathematical topics beyond algebra: sets, logic, probability, counting methods, geometry and statistics.
* Implement the fundamental methods of each topic in various applications of mathematics.
* Recognize the historical development of mathematical ideas and concepts.

**Course Outline:** (A lesson schedule for the term can be found at the end of this document)

Chapter 2 Set Theory (2.1 – 2.5)

Chapter 3 Logic (3.1 – 3.6)

Chapter 9 Geometry (9.1 - 9.4)

Chapter 12 Counting Methods & Probability Theory (12.1-12.10)

Chapter 13 Statistics (13.1 – 13.6)

Study Skills (Time Management, Note Taking, Test Prep, Learning Styles, Using Resources, Goals)

**Computer and Internet Requirements:** You’ll need an updated internet browser that supports access to the Valencia Blackboard (Bb) course and Pearson’s MyMathLab. Go to <http://www.mymathlab.com/installwiz.htm> to check your computer’s compatibility.

**Required Materials:**

* **MyMathLab Access Code:** Available at the East campus Valencia bookstore (Building 5) or online at <http://www.mymathlab.com/>. This provides access to your required online homework and an electronic copy of the textbook.
* **Calculator:** A graphing or scientific calculator will be useful in this course to assist with decimal calculations and some numerical manipulations. A TI-83/84 (Plus) is recommended and is what your instructor will use for demonstrations. Other TI models and other manufactured brands are acceptable as well, but may not follow the same keystrokes. There is a graphing calculator tutorial in the **Tools for Success** button in MML
* **Pencils, Erasers, Notebook**: Assignments must be done in pencil. A notebook is recommended to hold notes, homework, and assignments.

**Optional Materials:**

* **Text:** A Survey of Mathematics with Applications 9/e by Angel, Abbott, & Runde
* **Student solutions manual:** available in the bookstore or online.

**Teaching Philosophy**: My role is to provide you with a quality learning environment, guide your progress, and be a facilitator of learning. In this course you will have the opportunity to learn skills that will be relevant to future courses and your professional career. You are responsible for your own learning.

**How our hybrid class will work:**

We will meet once a week for learning activities and homework questions. You will not receive a standard lecture in class. Before you come to class each week, you should read the assigned sections, watch the accompanying video lessons, and attempt the homework. Tests will be taken online in MyMathLab on your own time.

**Attendance:** Participation in class discussions plays a significant role in your success in this course. Students are responsible for all course material or announcements presented in class. Arriving late or leaving class early is disruptive to others and should be kept to a minimum. As a courtesy to others it is also necessary to turn off all cell phones and other electronic devices before entering the classroom. I do not withdraw students due to non-attendance. Withdrawal is your responsibility. Tests must be taken at a Valencia testing center or an approved proctored testing site on (or by) the deadline.

**Time Commitment:** A hybrid course may require more of a time commitment than a traditional onsite course. The time that you would normally spend in a classroom or at home studying should be spent reading the textbook, watching lecture videos, working practice exercises, doing assigned homework, and taking tests. A traditional onsite course is usually 3 classroom hours and 6 study hours per week. This hybrid course will require AT LEAST the standard 9 hours per week, and is likely to take more time than you expect.

**Communication:** Other than face-to-face contact in the classroom, Blackboard messages will be our primary form of communication. When messaging your professor, please include and appropriate subject line and identifying information so that I may respond efficiently. All student-to-faculty communication should receive a response from me within 36 hours, excluding Saturdays and Sundays. I also expect that students will reply in a timely manner. While Blackboard messages should be used for private communication, the Discussion Board should be used for public student communication. All communications should demonstrate appropriate etiquette and professionalism. You are responsible for any information conveyed through Blackboard, MyMathLab, or your ATLAS email account. For this reason, it is important that you check these on a regular basis.

**Getting Started**

MyMathLab (MML) and Blackboard (Bb) will be your primary learning platforms for this course.  Blackboard contains course messages, the syllabus, links to MyMathLab and other online learning resources. MyMathLab contains an electronic version of the textbook, homework, quizzes, tests, and your grade book. Both MyMathLab and Blackboard will contain a course calendar of important dates and deadlines.

Log-in to Bb using your ATLAS Username and Password: <http://learn.valenciacollege.edu>

**How to Register for MyMathLab**

1. Go to www.mymathlab.com

2. Under Register, click **Student**.

3. Notice you’ll need 3 things. Click **OK, Register Now!**

4. Enter the course ID and click **Continue.**

If you’re in the Monday class (CRN 15232): adams14074

If you’re in the Wednesday class (CRN 15233): adams70605

5. If you have used MyMathLab before and have a Pearson account, enter your username and password and click **Sign in**.  If you don't have a Pearson account, click **Create an Account**.

6. Register by selecting one of the following options:

* Select **Use an Access Code** if you have already purchased an access code. OR
* Select **Pay with Credit Card or PayPal** if you are buying your access code now.
* Click the link at the bottom for **temporary access**, if you’re waiting on financial aid.

7. Complete your account set up by entering your name (as Valencia College knows you), ATLAS email address, a username and password, and any other required information.

8. Click **Create Account.**

**Congratulations, you are now ready to start learning College Mathematics Online through Pearson's MyMathLab.**

For help with MyMathLab technical difficulties, click on **Help & Support** in the top right hand corner of the screen (while logged in.)

**Using MyMathLab Successfully**

When you sign-in to our course, you will see a list of buttons on the left.

1. If you've never used MyMathLab, start by clicking on **Textbook** and work through the MyMathLab Orientation Questions to learn how to enter answers, use the math palette, and work with the graphing tools in the MyMathLab exercise window.
2. Click on **Textbook**; select the chapter and section you are ready to work on.  Click on Multimedia e-text to read and work through the examples given in the section. In addition to links to each chapter, the **Textbook** page also includes direct links to the Table of Contents, Preface, Supplements Guide, Glossary, Solutions to Selected Exercises, Answers to Selected Exercises, Index of Applications, and Index.
3. Click on **Multimedia Library** to view animations, powerpoints, and publisher videos for the course. There are links to additional online resources (containing video lessons) listed in the Online Help section of our Blackboard course, as well.
4. Click on **Pearson Tutor Services** to access free tutoring.
5. Click on **Tools for Success** for additional downloads and graphing calculator help.
6. Click on **Homework** to do practice problems for each section.  Homework is a necessary part of learning math, but you will not be assigned a grade for your practice.
7. When you have completed the content for a test, go to the testing center with a Valencia ID and calculator. Log in to MML and click on **Quizzes & Tests**.  The testing center staff will enter the test password for you.
8. Once you finish and submit your test, click on **Gradebook** to ensure that your test was submitted successfully.  Your current average in the course can be found here by clicking on Show Overall Score on the top left. Next to your score, click **review** in order to see how you were scored for each question. If you think that you deserve more points than awarded, see **Scoring & Grievances** on p. 9 of the syllabus.

**Tips for Success in Mrs. Adams’ Hybrid Course**

* Don’t ONLY log in to MyMathLab; make sure to check Blackboard regularly for important announcements, personal messages, and student discussions.
* Look ahead at prerequisites (found in the MyMathLab gradebook) for upcoming assignments to ensure that you don’t find that you’re unable to take a quiz or test that’s immediately due.
* Use your resources for learning. Take advantage of the many online resources provided within MML and in Bb under Online Math Help. If you are local, visit one of Valencia’s Math Centers for help. See page 10 of the syllabus.
* Pay close attention to instructions on how to enter your answers in MyMathLab. Each question has its own set of instructions. i.e. Syntax, number type, rounding, etc.
* After taking each test and checking its score, review it for credit earned. Often, you deserve partial credit and the computer didn’t grant it to you. For information on requesting partial credit, see Scoring and Grievances on p. 8
* Don’t leave test or quiz problems blank. If you’re not sure, try something, keep the work and submit it for partial credit. If it’s left blank, it’s worth nothing.
* If you experience technical difficulties while using MyMathLab, you’ll need help from Pearson, not your professor. Use the Help & Support link in MyMathLab immediately to resolve your issue. If your problem isn’t fixed right away, email me to alert me of your challenges.

**Grading Criteria**

Your grade in this class is determined by the grades you earn on activities, homework, quizzes, projects, and tests. You can access your current grades in the MyMathLab gradebook.

**Grading Scale**: 90-100%=A; 80-89% =B; 70-79%=C; 60-69%=D; Below 60%=F

* **Chapter Tests (55%):** There will be 5 online tests, found in the *Quizzes & Tests* section of MyMathLab, which must be taken at a Valencia testing center (or an approved testing site) by 11:59 pm (E.S.T.) on the deadline specified in MyMathLab. A photo ID (Valencia or government issued) will be required at Valencia testing centers. If you will not be taking a test at a Valencia campus, then you must complete and submit the “Off-Campus Testing Site Request Form” to your instructor two weeks prior to the deadline so that an appropriate site can be approved and arrangements made. Although there is no time limit, you are responsible for checking your testing center’s hours in order to allow at enough time for tests. There will be no make-up tests, extensions, or exceptions.

Test problems are similar to homework and quiz problems or examples from the book. The best way to study for tests (after you’ve completed all the assigned homework!), is to practice more problems from the text book similar to those assigned. Students will be permitted to use the Formula Sheet found on p. 11-12.It is your responsibility to check the grade book to ensure that the test has been submitted successfully. All test questions are scored electronically by MyMathLab. It is important that you read directions carefully and pay attention to rounding instructions and number formats. You are able to review tests immediately after your attempt by clicking on Review next to your score in the gradebook.

* **Projects (15%):** There will be a project for every chapter. Projects may be submitted as a hard copy in class, or an electronic copy through email. They may be submitted early, but late projects will be docked 1 point per calendar day after the due date. Attendance and participation are factored into this grade.
* **Homework (15%):** Completion of homework is crucial to student success in this course. Homework will be completed and graded using on the online program MyMathLab. You’ll need to purchase an access code and enter the course ID (specific to your CRN) when registering.

There is a homework assignment for each section. You should spend a considerable amount of time practicing problems and working the homework assignments before you attend class. You may work homework problems repeatedly without penalty. All homework should be worked out on paper and kept as a reference.

* **Pretests, Quizzes, Study Skills, & Participation (15%):** Quizzes will be in class and unannounced. PreTests are in MyMathLab and will be prerequisites for homework and tests. If you complete the associated assignment for each study skill below, you will be granted a dropped a project.
  + Note Taking
  + Time Management
  + Goal Setting
* Test Preparation
* Learning Styles
* Using Resources
* **Final Exam:** In lieu of a final exam, you will have the opportunity to retake 1 of your chapter tests. As long as your retake is 70% or higher, it will replace the score previously earned. This will not apply to zero scores awarded for cheating. Your retake has all the same requirements as the other tests.

**Scoring & Grievances:** All test questions are scored electronically by MyMathLab. It is important that you read directions carefully and pay attention to rounding instructions and number formats. You are able to view all quizzes and tests immediately after your final attempt.

If you feel that a quiz or test question was scored improperly by the program (MML), message me in Blackboard with the following:

1. The quiz/test name and problem number
2. a picture or scan of your **original math work supporting the answer you entered in the test**, and
3. an explanation of why you think you deserve more points.

Partial credit will be awarded as deemed appropriate.

All final exams will be reviewed by the professor for partial credit. There is no need to submit work for the Final Exam.

**Online Assignment Due Dates**

PreTests must be completed before we start the chapter in class. It is a prerequisite for the homework and tests, but will count as a quiz score.

Monday class (15232) Wednesday class (15233)

Ch. 2 Sets: PreTest Su, Aug. 31 T, Sept. 2

Homework M, Sept. 15 W, Sept. 17

Test M, Sept. 15 W, Sept. 17

Ch. 3 Logic: PreTest Su, Sept. 21 T, Sept. 23

Homework M, Oct. 6 W, Oct. 8

Test M, Oct. 6 W, Oct. 8

Ch. 9 Geometry: PreTest Su, Oct. 12 T, Oct. 14

Homework M, Oct. 27 W, Oct. 29

Test M, Oct. 27 W, Oct. 29

Ch. 12 Probability: PreTest Su, Nov. 2 T, Nov. 4

Homework M, Nov. 17 W, Nov. 19

Test M, Nov. 17 W. Nov. 19

Ch. 13 Statistics: PreTest Su, Nov. 23 T, Nov. 25

Homework Su, Dec. 7 Su, Dec. 7

Test Su, Dec. 7 Su, Dev. 7

Final Exam (Retake): Wednesday, Dec. 10 Wednesday, Dec. 10

**Other Important Dates – Fall 2014**

August 25 First day of classes

September 1 College Closed, Labor Day

October 9 College Closed, Learning Day

November 7 \*\*Withdrawal Deadline

November 26-30 College Closed, Thanksgiving Break

December 7 Last Day of Classes

December 10 Final Exam Deadline (Retake)

December 16 Grades Available in Atlas

**Reading Assignment & Project Deadlines**

|  |  |  |
| --- | --- | --- |
| **Week** | **Due Date (M,W)** | **Textbook Readings & Projects** |
| 1 | August 25, 27 | Syllabus, 2.1 |
| 2 | September 1, 3 | 2.2, 2.3 |
| 3 | Sept. 8, 10 | 2.4, 2.5  Ch. 2 Sets Project Due |
| 4 | Sept. 15, 17 | Monday College Closed, Labor Day, Ch. 2 Sets Test Due  3.1, 3.2 |
| 5 | Sept. 22, 24 | 3.3, 3.4 |
| 6 | Sept. 29, Oct. 1 | Ch. 3 Logic Project Due  3.5, 3.6 |
| 7 | Oct. 6, 8 | Ch. 3 Logic Test  9.1, 9.2 |
| 8 | Oct. 13, 15 | 9.3, 9.4,  Ch. 9 Geometry Project Due |
| 9 | Oct. 20, 22 | Ch. 9 Geometry Test  12.1, 12.2, 12.3 |
| 10 | Oct. 27, 29 | 12.4, 12.5, 12.6 |
| 11 | Nov. 3, 5 | 12.7, 12.8 |
| 12 | Nov. 10, 12 | 12.9, 12.10  Ch. 12 Probability Project Due |
| 13 | Nov. 17, 19 | Ch. 12 Probability Test,  13.1, 13.2 |
| 14 | Nov. 24, 26 | 13.3, 13.4 |
| 15 | Dec. 1, 3 | 13.5, 13.6  Ch. 13 Statistics Test & Project Due |
| 16 | Dec. 10 | Final Exam Deadline |

**Academic Resources**

**On-site**

Valencia College provides access to many resources for extra help in your courses. The Academic Success Center is located in building 4 of the east campus and maintains the following hours: Mon—Thurs: 7:00 am to 10:00 pm

Fri: 7:00 am to 8:00 pm

Sat: 8:00 am to 4:00 pm

**The Math Support Center** provides walk-in help to students and is a great place to do your homework! Tutors are available all hours that the ASC is open on a first-come, first-served basis. The math support center also has information and study sheets for most mathematical concepts.

**The Information desk** has TI-83 calculators and instructional videos available for check-out with a valid Valencia ID.

**The Testing Center** is where you’ll take tests. You must bring your Valencia ID to take a test in the testing center. Beware that the testing center will not hand out a test within an hour of closing.

**On-line**

### Blackboard: learn.valenciacollege.edu

### Blackboard contains all course documents, announcements, and discussions.

### MyMathLab: [www.mymathlab.com](http://www.mymathlab.com)

### MyMathLab contains your homework, tests, gradebook and learning support.

### [Valencia's Math Help 24/7](http://valenciacollege.edu/math/liveScribe.cfm) www.****valencia****college.edu/****math****/liveScribe.cfm

Valencia Math professors have created pencasts and videos of common lessons to aid your learning.  Click on **College Mathematics** to expand the topics.  Some lessons have more than one professor's perspective, so don't hesitate to watch more than one!

### [Khan Academy](https://www.khanacademy.org/) www.khanacademy.org

The Khan Academy has video lesson on mathematics (and many other academic topics!) as well as interactive learning tools.  You can create an account if you want to save your progress.  Or to get started, just click **Learn** in the top left corner of the home page.

For video lessons, click **Math and use the search bar with key words from your topic.**

For interactive practice, click **Knowledge Map** and navigate the knowledge map using the zoom and scan tools in the top left corner of the map.

### [Math TV](http://www.mathtv.com/) www.mathtv.com

Pat McKeague delivers quick video lessons on many mathematics topics.  Just click the subjects on the left to expand the lists of topics.

**Online Math Tutoring through SmartThinking.**

The link is available in our Blackboard course or from the front page of your Atlas account.

**Academic Honesty:** All students are expected to be in complete compliance with Valencia College’s policies on academic honesty. Students are responsible for submitting their own work. Students who cooperate on assessments without authorization share the responsibility for violation of academic principles and are subject to disciplinary action. If any student is caught giving or receiving aid on a test or quiz, all students involved will receive a zero score for that particular assignment.

**Student Code of Conduct:** Valencia Community College is dedicated to not only to the advancement of knowledge and learning, but also are concerned with the development of responsible personal and social conduct.   Violation of any of Valencia’s rules may lead to disciplinary action up to and excluding expulsion from Valencia.  Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.  In addition, we ask that you follow college policy relating to children on campus.

**Withdrawal:** Withdrawal is YOUR responsibility. If you have any questions about whether you should withdraw or not, please come see me first! A Student who withdraws from class before the established deadline of November 7, 2014 will receive a grade of “W”. A student is NOT permitted to withdraw after the withdrawal deadline. 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”. See college policy: 4-07 for additional details.

**Students with Disabilities:** Students with disabilities who qualify for academic accommodations must provide a notification from the Office for Students with Disabilities (OSD 5-216) and discuss specific needs with me within the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

**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 on page 14](http://valenciacc.edu/catalog/04-05/default.htm%20on%20page%2014)).

**Student Feedback on Instruction (SFI):** Near the end of the term, you will receive an invitation through your Valencia email account asking you to complete the Student Feedback on Instruction (SFI). This is a survey which provides us with feedback on your experience in this class and helps us improve the course. The results are released only *after* grades are submitted. Student names are *not* included in the results –your responses will be anonymous. You will get an email from Valencia informing you when the SAI survey will open.

**Student Assistance Program:** Valencia College is interested in making sure all our students have a rewarding and successful college experience. To that purpose, Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. BayCare Behavioral Health Student Assistance Program (SAP) services are free to all Valencia students and available 24 hours a day by calling (800) 878-5470. Free face-to-face counseling is also available.

**Student Support Services:** Here are some links that you can use for additional help in areas that affect your learning experience at Valencia, such as advising, registration, financial aid, and others:

* Answer center: [Student Services Office - Valencia College](http://valenciacollege.edu/studentservices)
* Career and educational goals: [LifeMap - Valencia College](http://valenciacollege.edu/lifemap)
* For general information on all student and academic services: [Student Directory](http://valenciacollege.edu/students.cfm)

For assistance with planning your class schedule, please visit with an academic advisor (if you are seeking an Associate in Arts degree) or with a Career Program Advisor (if you are seeking an Associate in Science degree).

**If I am late to class:** Wait 15 minutes. If I’m still not there, send one student to the math department to find out if class is cancelled.

**Disclaimer:** Information given in this syllabus is tentative and subject to change at the instructor’s discretion. All lectures are protected under the intellectual copyright laws. Any use of recording devices requires the permission of the instructor.