Syllabus College Algebra Summer 2017 H1

MAC 1105 CRN 30318

Mon, Tue, Wed, Thur from 1:15pm to 2:50pm in 2-110

Instructor: M. Faustina Wright

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Website: http://frontdoor.valenciacollege.edu/?mwright34

Student Engagement Hours: Generally before/after class. Please contact me. We will find a time convenient to all.

**Math office**: Room: 7- 142 Hours: 7:30am – 5:30pm Mon-Thur 7:30 am – 12pm Friday

phone 407-582-2366

**This syllabus** is a contract between the student and the instructor. By attending this course, the student agrees to and accepts the terms and conditions of this course. It is the responsibility of the student to carefully read this syllabus (contract) and to adhere to all policies and procedures within.

**Course Description:**  MAC 1105 College Algebra 3 credit hours

PREREQUISITE & COURSE INFORMATION

Prerequisite: Minimum grade of C in MAT 1033C or appropriate score on an approved assessment.

Course based on the study of functions and their role in problem solving. Topics include graphing, the linear, quadratic, and exponential families of functions, and inverse functions. Students will be required to solve applied problems and communicate their findings effectively. Technology tools will be utilized in addition to analytical methods. Gordon Rule course. Minimum grade of C required if MAC 1105

is used to satisfy Gordon Rule and general education requirements.

MAJOR LEARNING OUTCOMES

•Use processes, procedures, data, or evidence to solve problems and make effective decisions

•Use functions and function concepts to analyze and model realistic situations

•Use appropriate technological tools to analyze and model realistic situation

**Valencia Core Competencies**:

Valencia desires their graduates to possess and demonstrate a set of global competencies including the ability to think, communicate, value and act. In an effort to help you acquire and improve upon your ability to demonstrate these competencies this course will include activities that require you to:

1. Think clearly, critically and creatively.
2. Communicate with others in written and verbal form.
3. Make reasoned value judgments and responsible commitments.
4. Act purposefully, reflectively and responsibly.

Due to the nature of these global competencies many problems and activities will be presented in the context of an application. These applications will require students to select appropriate information from the problem and communicate effectively how to arrive at an appropriate solution for the problem.

**OSD**: Students with disabilities who qualify for academic accommodations must provide a letter from the Office of Students with Disabilities (OSD) and discuss their needs with the professor. This is best done in the first 2 days of class and must be done before any test is given.

**Contact Information: Bldg.: 5-216; Ph: 407-582-2229; Fax: 407-582-8908;**

[**http://valenciacollege.edu/osd/default.cfm**](http://valenciacollege.edu/osd/default.cfm)

**Required Materials:**

Textbook is available as pdf under course material at <http://valenciacollege.edu/?mwright34>

and in Blackboard, this class, under content.

TI - 84 graphing calculator. Mastery of the calculator is essential to your success in the class. And cell phones/tablets, laptops, etc, are NOT calculators and will not be used on tests.

Other Materials: Pencil (for quizzes and tests), erasers (or white out/correction tape), graphing paper

**Calculator, and note taking materials are to be brought to class every day.**

**Classes Policies:**

**Behavior:** Students will respect each and all Valencia faculty and staff. Students are expected to participate actively and ask pertinent questions during class. **Courtesy** will be observed always. Students are expected to follow Valencia Student Code of Conduct. Students are expected to participate actively and ask pertinent questions during class. It can be found in the current Student Handbook. Students showing improper behavior will be asked to leave the class for the day. Continuing problems will be dealt with according to Valencia policies. http://valenciacollege.edu/generalcounsel/policy/documents/Volume8/8-03-Student-Code-of-Conduct.pdf

**Attendance:** If you do not attend the first day of class, you may be withdrawn from class as a “no-show” Regular attendance and class participation are significant factors that promote student success in this course. Students are expected to attend every class, be punctual, and complete all assignments. Students, whether present or not, they are responsible for all class materials and announcements made in class. Students are required to remain in class for the whole period, unless prior permission to leave early has been granted by the instructor. It is disruptive to depart while the class is in session and will result is an absences. I do not withdraw students. It is the student’s responsibility to take appropriate actions based on their situation.

**Tardiness:** All classes start at the time indicated on the class schedule. Being late to class is a disruption and is discourteous to the professor and the rest of the students. Students who persist on being tardy or leaving early will be dealt with on an individual basis. This may include withdrawal from class. Remember you choose this class and the time according to your schedule.

**Withdrawal:** The withdrawal date for Summer 2017 H1 term classes is June 9, 2017 at 11:59pm. A withdrawal by/on this date will show as “W” for your grade. After that date a student may not withdraw from the class and a final grade (not W) will be posted at end of term. I do not withdraw students based on attendance and/or performance.

**Electronic devices:** Quite simply, electronic devices are distracting to the learning process. Therefore, if the instructor must stop class because students are using electronic devices (non- calculator) then the instructor will stop class and give the whole class a pop quiz. If students are expecting an urgent telephone call or text, then they simply explain the situation to the instructor before class. Next, students leave their electronic devices on the instructor’s desk, and when they buzz, the students approach the desk to take the call or respond to the text.

**ATLAS:**  Outside of class, Valencia faculty and staff communicates with students through

Atlas. It is your responsibility to check your Atlas e-mail on a regular time frame. Failure to check

your e-mail account does not excuse you from any notices that may be sent to you.

**Homework:** There will be suggested homework. Students are expected to make an honest attempt to complete all assigned problems prior to the next class. It is recommended that you keep all homework neatly organized in a notebook. The key for success in this course is do the homework. Depending on the understanding of the material, you may wish to do more than or fewer than the suggested number of problems. Selected homework problems may be collected for a quiz or a work sheet grade.

**Worksheets:** Worksheets will be given throughout the semester. Most will be due the following day of class. Worksheets may be handed in in one day late for half credit unless the instructor has reviewed the problems. Worksheets/quizzes and other non-test items are worth 100 points in your final grade. The lowest (1) 10-point grade will be dropped.

**Tests:** There will be 4 in class tests and a comprehensive final. Each worth 100 points. The final exam will be in two parts. Part 1, Thursday June 15 and part 2 Monday June 19, in classroom and regular time.

**Make-ups:**  No make-up tests will be given. In case of a missed exam, the final exam grade will replace the missed exam. If all exams are taken, the students lowest test score maybe replaced by the grade on the final unless a grade of F or 0 was assigned for cheating on that exam. If you know prior to an exam that you will be absent, possible arrangements may be made to take exam early.

**Grade:** Total 600 points. 90% - 100% A: 80% - 89% B: 70% - 79% C: 60% - 69% D: Below 60% F.

**Academic Honesty Policy**: 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. If you cheat, you will get caught and receive an F for the test. Either giving or receiving aid on a test or final exam may result in a F for the class. 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>.

The instructor reserves the right to reassign seating without explanation for any student(s) at any time during a testing situation (including the Final Exam). Storing notes, formulas, problems, etc. in the calculator is considered academic dishonesty. The instructor also reserves the right to inspect any item on a student’s desk (including calculator memory) during any testing situation (including the Final Exam). With the exception of individual arrangements made by the instructor, the final exam location is the same as the classroom where you regularly meet and students who take the final exam are required to do so at the scheduled examination date and time.

**EAST CAMPUS LEARNING ASSISTANCE RESOURCES:**

***Free*** tutoring servicesare provided on Valencia College’s East campus at the Academic Success Center in Building

4-Room 101. The East Campus Academic Success Center strives to provide a safe*,*inclusive learning environmentthat motivates studentstomaximize learning opportunities*,*grow toward independence*,* and discover the lifelong learner within*.* <http://valenciacollege.edu/east/academicsuccess/>

**Math support at the academic success center**

The Math Center in Building 4-Room 102-B provides individual assistance to all Valencia students enrolled in any math course. Resources include walk-in tutoring, homework assistance, workshops, final exam reviews, PERT information, academic refreshers, and much more. The SPA (Specialized Prep Area) provides specific resources to students in developmental mathematics courses. The SPA has information and study sheets for most mathematical concepts. Please check hours of availability at the following link: <http://valenciacollege.edu/east/academicsuccess/math/>

**Valencia's Math Help 24/7:** Valencia Math professors have created pen-casts and videos of common lessons to help you learn the concepts being presented in class. This resource is located at: [www.valenciacollege.edu/math/liveScribe.cfm](http://www.valenciacollege.edu/math/liveScribe.cfm) Click on your course to view your lessons. Some lessons have more than one professor's perspective; watch more than one!

**Smart Thinking (Online Tutoring):**

Smarthinking is a FREE online tutoring tool available to all of Valencia’s students, and math tutors are available 24/7. Students can access Smarthinking through the Courses tab in Atlas. Students have an eight hour limit of usage per semester, and therefore Smarthinking is best used as a back up to on-campus services and support, not as a replacement. There are Smarthinking phone applications for both iOS and Android devices. <http://valenciacollege.edu/east/academicsuccess/onlineTutoring.cfm>

**STUDENT ASSISTANCE PROGRAM:**

Valencia College has contracted with a private and confidential counseling service (**Bay Care Behavioral Health Student Assistance Program (SAP))** to provide FREE short-term assistance to students who need to resolve problems that are affecting their college performance. Examples might include: stress, relationship/family issues, alcohol/drug problems, eating disorders, depression, and gender issues. Students who are experiencing any of these issues and who are enrolled in credit classes at Valencia should call the toll-free number 1-800-878-5470 to speak to a professional counselor. If needed, the counselor may refer the student to appropriate resources or to speak face-to-face with a licensed counselor. For more information, call or visit a Counselor in Student Services on any campus.

**FERPA** *(Family Educational Rights and Privacy Act)*

FERPA is a Federal law that is administered by the Family Policy Compliance Office (Office) in the U.S. Department of Education (Department). 20 U.S.C. § 1232g; 34 CFR Part 99. FERPA affords students certain rights with respect to their educational records. Valencia College has a firm commitment to protecting the privacy rights of its students. For further information on FERPA see: <http://valenciacollege.edu/ferpa/default.cfm#whatis>

**TITLE IX**

Valencia College strives to be a place free from all forms of discrimination. Title IX protects students from discrimination based upon sex including protections against sexual violence, domestic violence, and stalking. This also includes protections for students who are pregnant or may become pregnant. If you experience sexual violence, domestic violence or stalking and would like assistance there are several options available to you. Valencia partners with the Victim Service Center of Central Florida which is a confidential resource available 24/7. They can be reached by calling 407-497-6701. If you would like assistance on campus, you can go to valenciacollege.edu/eo or contact Valencia College’s Title IX and Equal Opportunity Officer, Ryan Kane, by emailing [rkane8@valenciacollege.edu](mailto:rkane8@valenciacollege.edu). If you would like to report to law enforcement, you may visit Campus Security or call 911.

Please note that there are no confidential resources on campus. As your professor, I am required to report any information mentioned in this statement to the appropriate campus resources. This will include your name, and detailed information shared with me. We take privacy very seriously at the College and only those who have a legitimate need to know the information will be provided with this information.

If you have more questions about Title IX or the College’s response, please visit valenciacollege.edu/eo.

**STUDENT FEEDBACK ON INSTRUCTION:**

Near the end of the term, students will receive an invitation through their Valencia ATLAS email account asking them to complete the Student Feedback on Instruction (SFI). This survey provides Valencia College professors with feedback on students’ experiences in courses and helps them to continually improve their courses. The results are released only *after* grades are submitted and students’ names are *not* included in the results - all responses will be anonymous.

**DISCLAIMER:**

Changes in the syllabus, scheduling, or evaluation procedures, and/or homework assignments may be made at any time at the discretion of the professor. If you are absent, it is **your** responsibility to find out what, if any, announcements or changes have been made.

Daily Schedule

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| **Week 1** |  | Suggested homework |
| Mon May 8 | Intro, syllabus, section 1.1 | Section 1.1 pg 8 problems 1, 2, 7, 9, 11, 12, 13, 15, 16, 19, 21-31 odd |
| Tue May 9 | Sections 1.2, 1.3 | Section 1.2 pg 15 all, section 1.3 pg 21 all |
| Wed May 10 | Sections 1.4, 1.5 | Section 1.4 pg 30 all, section 35 all |
| Thur May 11 | Sections 1.6, 1.7 | Section 1.6 pg 40 problems 1 -6, 7, 23 odd |
| **Week 2** |  |  |
| Mon May 15 | Chapter 1 review\* and section 2.1 | Section 2.1 pg 56 problems 1- 25 odd |
| Tue May 16 | Test chapter 1 | All tests will 2 parts. A part without calculator and part with calculator. |
| Wed May 17 | Sections 2.2, 2.3 | Section 2.2 pg 67 problems 1 -35 odd  Section 2.3 pg 78 problems 1 -35 odd |
| Thur May 18 | Sections 2.4, 2.5 | Section 2.4 pg 1 -41 odd  Section 2.5 pg 96 1 -31 odd |
| **Week 3** |  |  |
| Mon May 22 | Section 2.6, 2.7 | Section 2.6 pg 103 all  Section 2.7 pg 107 all |
| Tue May 23 | Review chapter 2\* and section 3.1 | Section 3.1 pg 131 all |
| Wed May 24 | Test 2 chapter 2 |  |
| Thur May 25 | Sections 3.2, 3.3 | Section 3.2 pg 139 all  Section 3.3 pg 146 all |
| **Week 4** |  |  |
| Mon May 29 | No Classes, campus closed | All campuses closed. |
| Tue May 30 | Sections 3.4, 3.5 | Section 3.4 pg150 problems 1 -39 odd  Section 3.5 pg 154 all (problems 21 -27 write the exponential or logarithm equation first) |
| Wed May 31 | Sections 3.6, 3.7 | Section 3.6 pg 157 problems 1 -16, 25 - 37  Section 3.7 pg 162 all |
| Thur June 1 | Catch-up, review\*, section 4.1 | Section 4.1pg 208 problems 1- 17 odd |
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| **Week 5** |  |  |
| Mon June 5 | Test 3 chapter 3 |  |
| Tue June 6 | Section 4.2, 4.3 | Section 4.2 pg 212 problems 1 -39 odd  Section 4.3 pg 222 problems 1 -15 odd |
| Wed June 7 | Sections 4.4, 4.5 | Section 4.4 pg 230 problems 1 – 33 odd  Section 4.5 pg 239 1 -9 odd, 11, 12, 13 – 39 odd |
| Thur June 8 | Sections 4.6 | Section 4.6 pg 247 problems 1- 17 odd, 19- 25 |
| Friday June 9 | Summer H1 withdraw deadline | Withdraw deadline for Term A (H1) summer classes  by 11:59 pm |
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| **Week 6** |  |  |
| Mon June 12 | Catch up, review |  |
| Tue June 13 | Test 4 chapter 4 |  |
| Wed June 14 | Final review |  |
| Thur June 15 | Final part 1 |  |
| Week 7 |  |  |
| Mon June 19 | Final part 2 |  |

\* Chapter reviews are if time permits and will not be the whole class time