## Basic Course Information

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|---|---|---|---|
| Semester | **Spring 2015** | Instructor Name | **Jill Nelipovich** |
| Course Title & # | **Math 81** | Email | **jill.nelipovich@imperial.edu** |
| CRN # | **20355** | Webpage (optional) | |
| Room | **212** | Office | **Room 2768** |
| Class Dates | **Feb 17 – June 12, 2015** | Office Hours | **Monday:      4:30 – 6:30 p.m.**<br>**Tuesday:     7:30 – 8:30 a.m.**<br>**Wednesday: 8:00 – 8:30 a.m.**<br>**Thursday:   8:00 -  8:30 a.m.**<br>**\*\*\* AND BY APPOINTMENT** |
| Class Days | **Tues/Thurs** | Office Phone # | **760-355-6297** |
| Class Times | **12:40 – 2:45 p.m.** | Office contact if student will be out or emergency | **760-355-6155** |
| Units | **4 units** | | |

## Course Description

An introduction to the concepts of Algebra. Topics covered include solving equations, polynomials, factoring, rational expressions, graphs and linear equations, systems of linear equations, and inequalities.
(Nontransferable, nondegree applicable)

## Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes
as demonstrated by being able to:
1. Solve linear equations in one variable. (ILO2)
2. Factor polynomial expressions using a variety of methods and solve polynomial equations. (ILO2)
3. Graph linear equations and find values related to linear graphs. (ILO2)
4. Solve application problems appropriate to beginning algebra. (ILO2)

## Course Objectives

Upon satisfactory completion of the course, students will be able to:
1. Demonstrate skills in solving first-degree equations.
2. Demonstrate the ability to solve many problems in diverse areas, in a step-by-step manner, when dealing with applications.
3. Develop manipulation skills when operating polynomials.
4. Demonstrate the various types of factoring and be cognizant of the factoring process.
5. Demonstrate an understanding of skills in operations with and simplifications of rational expressions.
6. Demonstrate a visual understanding of the Cartesian Coordinate System and linear graphs.
7. Demonstrate the ability to solve linear systems of equations both algebraically and graphically.
8. Demonstrate the ability to solve linear inequalities algebraically and be able to present the solutions graphically.

## Textbooks & Other Resources or Links

1. **Optional:** Introductory & Intermediate Algebra for College Students (4th ed); Blitzer
         ISBN: 978-0321729385
2. **Required:**  MathXL (Pearson) ISBN: 978-0201716306 (may purchase in bookstore or online)
          How to register is posted on blackboard.
3. Scientific Calculator – no cell phone, ipads, etc. for calculators on exams.

## Course Requirements

<u>Out of Class Assignments</u>: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time <u>and</u> two (2) hours of out-of-class time per week over the span of a semester. The grade will be based on a combination of  MathXL online homework, homework notebook, projects, five exams and a comprehensive final.

## Course Grading Based on Course Objectives

- Online Homework in MathXL
- Homework Notebook
- Projects
- Exams: 6 Exams – Chapters 2, 3, 4, 5, 6, and 7
- Final Exam

### GRADING (point totals subject to change)

| | |
|---|---|
| Homework | 60 points |
| Homework Notebook | 60 points |
| Projects | 80 points |
| Exams (6):  100 points each | 600 points |
| Final Exam: 200 points | 200 points |
| **Total Points** | **1000 points** |

**Grades will be assigned as follows:**

| | | |
|---|---|---|
| A=  900 – 1000 points | C = 700 – 799 points | F = 559 and below |
| B = 800 – 899 points | D = 600 – 699 points | |

## Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class.  Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class.  It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students.  A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped.  For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

## Classroom Etiquette

- <u>Electronic Devices:</u> Cell phones and electronic devices must be turned off during class.
- <u>Food and Drink</u> are prohibited in all classrooms.   Water bottles with lids/caps are the only exception.
- <u>Disruptive Students:</u>  Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework.  Disciplinary procedures will be followed as outlined in the General Catalog.
- <u>Children in the classroom:</u> Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

## Academic Honesty

- <u>Plagiarism</u> is to take and present as one's own the writings or ideas of others, without citing the source.  You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials.  If you do not understand how to correctly 'cite a source', you must ask for help.
- <u>Cheating</u> is defined as fraud, deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question.

  Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file.  Repeated acts of cheating may result in an F in the course and/or disciplinary action.  Please refer to the General School Catalog for more information on academic dishonesty or other misconduct.  Acts of cheating include, but are not limited to the following:  (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment ; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment, (e) use of a commercial term paper service

## Additional Help – Discretionary Section and Language
- <u>Blackboard</u> support center: http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543
- <u>Learning Labs:</u>  There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination.  Please consult your college map for the **Math Lab (Room 2500),** Reading & Writing Lab, and Learning Services (library).  Please speak to the instructor about labs unique to your specific program
- <u>Library Services:</u>  There is more to our library than just books.  You have access to tutors in the learning center, study rooms for small groups, and online access to a wealth of resources.
- **MATH LAB ROOM 2500**

## Disabled Student Programs and Services (DSPS)
Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible.  The DSP&S office is located in Building 2100, telephone 760-355-6313 if you feel you need to be evaluated for educational accommodations.

## Student Counseling and Health Services
Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see http://www.imperial.edu/students/student-health-center/. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

## Student Rights and Responsibilities
Students have the right to experience a positive learning environment and due process.  For further information regarding student rights and responsibilities please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

## Information Literacy
Imperial Valley College is dedicated to help students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/

## Anticipated Class Schedule / Calendar

### Math 081 – Tentative Schedule

| WEEK | DATES | ASSIGNMENTS |
|---|---|---|
| 1 | Feb 16 - 21 | Introduction, 2.1, 2.2, 2.3<br>Sections 2.3, 2.4, 2.5 |
| 2 | Feb 23 – Feb 27 | Sections 2.6, 2.7<br>Catch up |
| 3 | Mar 2 – Mar 6 | Section 3.1, Review<br>**Exam 1 – Chapter 2** |
| 4 | Mar 9 – 13 | Sections 3.2, 3.3<br>Sections 3.4, 3.5 |
| 5 | Mar 16 – 20 | Section 4.1/Review<br>**Exam 2 – Chapter 3** |
| 6 | Mar 23 – 27 | Section 4.2, 4.3<br>Sections 4.4, 4.5 |
| 7 | Mar 30 – Apr3 | Section 5.1/Review<br>**Exam 3 – Chapter 4** |
|  | Apr 6 – 10 | Spring Break |
| 8 | Apr 13 - 17 | Section 5.1, 5.2, 5.3<br>Sections 5.3, 5.4, 5.5 |
| 9 | Apr 20 - 24 | Section 5.6, 6.1<br>Section 6.2/Review |
| 10 | Apr 27 – May 1 | **Exam 4 – Chapter 5**<br>Sections 6.3, 6.4 |
| 11 | May 4 – 8 | Sections 6.5, 6.6<br>Sections 7.1/Review |
| 12 | May 11 – 15 | **Exam 5 – Chapter 6**<br>Section 7.2, 7.3 |
| 13 | May 18 – 22 | Sections 7.4, 7.5<br>Sections 7.6, 7.7 |
| 14 | May 25 – 29 | Review<br>**Exam 6 – Chapter 7** |
| 15 | June 1 - 5 | Review for Final |
| 16 | June 8 – 12 | **Final Exam Tuesday, June 9** |