

# WAYNE COMMUNITY COLLEGE

Mat 070 - 01 – Introductory Algebra

Fall 2004 – August to December

M – F, 8:00 – 8:50, Hocutt 230

**Class Hours: 3**

**Lab: 2**

**Clinical/Wk Exp: 0**

**Semester Hours: 4**

## Instructor Information

Instructor: Katina P. Davis  
Office Location: Dogwood 322  
Telephone Numbers: 735-5151 x 704  
Office Hours:  
E-Mail Address: [kdavis@waynecc.edu](mailto:kdavis@waynecc.edu)

## Course Description (CCL)

This course establishes a foundation in algebraic concepts and problem solving. Topics include signed numbers, exponents, order of operations, simplifying expressions, solving linear equations and inequalities, graphing, formulas, polynomials, factoring, and elements of geometry. Upon completion, students should be able to apply the above concepts in problem solving using appropriate technology.

## Prerequisite(s)

Mat 060 (C or better) or placement

## Co-requisite(s)

Red 080 or placement

## Program Learning Outcomes

The Associate Degree Programs in arts, science, and fine arts prepare students to transfer to a four-year college for a baccalaureate degree (B.A. or B.S.). Graduates of these two-year programs complete the academic requirements and develop the skills in analysis, interpretation, and communication necessary for transfer to a four-year institution.

Students enrolled in these programs will:

1. Recognize characteristics of life-long learning: independent thinking, self-discipline, and ethical behavior.
2. Demonstrate the technological skills needed to advance academic pursuits at a senior institution.
3. Apply a set of analytical and problem-solving skills to real-world situations.
4. Demonstrate interpersonal skills that reflect an understanding of diversity and the need for teamwork.
5. Communicate information to a variety of audiences using appropriate written, spoken, and/or visual methods.

## Course Learning Outcomes

The student will demonstrate competency in Math 070 by being able to:

1. perform basic arithmetic operations on real numbers using the properties of real numbers and the order of operations.
2. evaluate and simplify algebraic expressions using such algebraic basics as properties of signed numbers, exponents, and combining like terms.
3. solve linear equations and inequalities.
4. use formulas to solve applications problems, including problems involving length, angles, and basic geometric shapes.

5. graph linear equations and linear inequalities.
6. solve problems involving the basic properties of lines, such as slope and intercepts.
7. add, subtract, multiply, and factor polynomial expressions using the basic properties of exponents.

### **Required Textbook**

Essential Mathematics/Introductory Algebra, by Tobey/Slater and Martin/Gay, published by Prentice Hall Publishing Company. ISBN: 0-536-66272-X

### **Required Materials**

Notebook, pencil, and TI-83 Graphing calculator

### **Learning/Teaching Methods**

Lectures, student discussions, labs, and cooperative learning lab activities

### **Course Requirements / Methods of Evaluation**

To demonstrate attainment of learning outcomes for MAT 070, you must achieve an overall average of 70 or better. To achieve these learning outcomes, you must successfully complete the following:

- |                  |              |
|------------------|--------------|
| 1. Chapter tests | 60% of Grade |
| 2. Labs          | 20% of Grade |
| 3. Final exam    | 20% of Grade |

### **Grading Policy/Criteria**

Math classes use a ten-point grading scale. Your instructor will use the following scale in determining your grade:

A =	100 – 90
B =	89 – 80
C =	79 – 70
D =	69 -- 60
F =	Below 60

Assignments are due at the beginning of the class period. Work turned in at the end of class (or later) may receive a reduction in grade. Work turned in late because of an absence may also receive a reduction in grade. **When you miss a class or classes, you are responsible for the work you miss.** Therefore, you should make arrangements with the instructor to make up the work as soon as possible. Your instructor may impose a time frame for completing the work.

### **Academic Integrity Statement**

See your WCC Student Handbook or the College catalog for the WCC Code of Student Academic Integrity Policy. Any student caught violating the WCC Code of Student Academic Integrity Policy, (i.e., cheating, plagiarizing, or other dishonorable acts), in academic work is subject to disciplinary action.

### **Students with Disabilities**

WCC is committed to seeing that students with disabilities have equal access to and participation in all programs of study. For further explanation, please note the Students with Disabilities policy in the WCC catalog or the Student Handbook. Students with disabilities can contact the Disability Coordinator, Mrs. Caroline Smith, in the Student Development office, Room WLC 115, or at 919-735-5152, extension 223 or [csmith@waynecc.edu](mailto:csmith@waynecc.edu).

### **Non-Discriminatory Statement**

Wayne Community College is committed to a policy of providing educational opportunities to all students regardless of economic or social status, beliefs, sexual orientation, national origin, or physical or mental disability.

### **Student Attendance Policy**

The college considers regular class attendance essential to good scholarship and to a workplace ethic that emphasizes responsibility and commitment. Therefore, you must attend 90% of the total hours of this class to receive a passing grade. Your instructor will excuse no absences. If you miss more than 10% of the class meetings (8 hours) before the last day for dropping a course, you will receive a grade of W. After the last day to drop, you will receive a WF.

You cannot make up an absence but will be expected to make up any work you miss. When you miss a class, you should check with another student or your instructor to find out about assignments made while you were absent and have them completed by the date they are due.

You should come to class on time and should not ask to leave early. If you are late, you will be counted absent unless you ask your instructor after class to have the absence changed to a tardy. Three tardies will be counted as one absence. If you are more than ten minutes late or leave class more than ten minutes early, you will be counted absent.

### **Additional Information From the Instructor/Miscellaneous**

1. **Phones/Pagers/Beeper:** Cell phones, beepers, and walkie-talkies cause unnecessary disruption to the learning/teaching process. Out of courtesy to others, all systems of communication should be in quite position during class.
2. No eating or drinking in the classroom.
3. No sleeping in classroom.
4. No CD players, Walkmans, or other electronic devices in class. This will count as a disruption and you will be asked to leave.
5. No unnecessary talking in class. If you disrupt the learning process of others, you will be asked to leave.
6. To test in ASC, you must have a valid WCC student ID card.
7. Retests: You must have your instructor's permission to retest on a Chapter test. You must complete the retest within one week and you should make test corrections on the test prior to retesting.
8. As situations arise, changes in policies and procedures will be announced in class, and you will be held accountable for these changes.

### **Course Outline and Calendar**

<b>Chapter</b>	<b>Topics</b>
<b>1</b>	<b>Review of Real Numbers</b>
<b>2</b>	<b>Equations, Inequalities, and Problem Solving</b>
<b>4</b>	<b>Exponents and Polynomials</b>
<b>5</b>	<b>Factoring Polynomials</b>
<b>3</b>	<b>Graphing</b>
<b>7</b>	<b>Further Graphing</b>
<b>Final Exam</b>	



## WAYNE COMMUNITY COLLEGE

### *PSY 150-01 General Psychology*

*Spring 2005*

*M W F Azalea 205 8:00-8:50 AM*

#### **Instructor Information**

Instructor: Susan McClenny  
Office Location: Azalea 314A  
Telephone Numbers: 919-735-5151 ext 261  
Office Hours: T: 11 AM-12 PM; M, W, Th, & F: 9-10 AM  
E-Mail Address: suem@waynecc.edu  
FAX Number: 919-731-2009

#### **Course Description (CCL)**

This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course is also available through the Virtual Learning Community (VLC).*

*Semester hours: 3.0; Contact hours: 3.0*

#### **Prerequisite(s)**

RED 090

#### **Co-requisite(s)**

None

#### **Program Learning Outcomes**

**The Associate Degree Programs in arts, science, and fine arts prepare students to transfer to a four-year college for a baccalaureate degree (B.A. or B.S.). Graduates of these two-year programs complete the academic requirements and develop the skills in analysis, interpretation, and communication necessary for transfer to a four-year institution.**

Students enrolled in these programs will:

- Recognize characteristics of life-long learning: independent thinking, self-discipline, and ethical behavior
- Demonstrate the technological skills needed to advance academic pursuits at a senior institution
- Apply a set of analytical and problem-solving skills to real-world situations
- Demonstrate interpersonal skills that reflect an understanding of diversity and the need for teamwork
- Communicate information to a variety of audiences using appropriate written, spoken, and/or visual methods

#### **Course Learning Outcomes**

Upon successful completion of this General Psychology course, the student will demonstrate competency in the following areas:

- Define psychology and its goals; describe historical and modern approaches to the study of human behavior

- Define the scientific method and models used in psychology
- Discuss basic principles of sensation and perception.
- Recognize the roles that both the brain and heredity play in behavior
- Apply principles of learning and behavior modification in changing human and animal behavior
- Discuss how motivation guides and directs behavior
- Identify the major stages of development throughout the lifespan in addition to those factors that may hinder “normal” development
- Identify the major theories of personality and the ramifications of each theory’s “world view” as it pertains to psychological intervention
- Describe the concept of abnormal psychology and identify and differentiate between current specific psychological disorders and treatments/therapies
- Define social psychology and relate the major principles that govern interpersonal relationships

## **Required Textbook**

**Plotnik, R. (2005). Introduction to Psychology, (7<sup>th</sup> ed.). Belmont, CA: Wadsworth Thomson Learning. ISBN: 0-534-60278-9**

Another source of information that you might find both interesting and helpful is the Wadsworth Publishing Company’s Internet Study Center. This website: (<http://psychology.wadsworth.com>) allows general access to both module-specific Practice Quizzes and Web Links of Interest that can be used to complement the text and classroom content.

A study guide to the text has been placed on reserve in the library for you to use.

Handouts and Powerpoint slides accessed through Blackboard.

## **Other Required Materials/Software**

Notebook and paper for taking notes, pens, #2 pencils for test-taking, computer and Internet access for study guides and Internet assignments

## **Learning/Teaching Methods**

Assigned readings, lectures, student discussions, class demonstrations, Internet assignments, videotapes, computer simulations, and collaborative projects.

## **Course Requirements / Methods of Evaluation**

To demonstrate attainment of learning outcomes for PSY 150, the student must achieve an overall average of 70.

- |                             |              |
|-----------------------------|--------------|
| 1. Seven tests              | 60% of grade |
| 2. Oral/Written Assignment  | 20% of grade |
| 3. Final comprehensive exam | 20% of grade |

## **Grading Policy/Criteria**

The following ten-point grading scale will be used by the department.

100-90=A  
 89-80=B  
 79-70=C  
 69-60=D  
 Below 60=F

- **Tests** will be mostly multiple-choice questions; there may be some short-answer essay questions from time to time. ***Makeup tests, however, are comprised of short-answer, and essay questions only, and are somewhat harder than the original tests. Makeup tests may be taken in the Academic Skills Center up to one week after the originally scheduled test;*** if not taken by then, the chance to make up the test is forfeited. *Requests for a makeup test must be made via email, stating both the reason for missing the test and when you plan to take the makeup test.*

## Academic Integrity Statement

See following link for the Academic Integrity Policy:

[http://www.waynecc.edu/catalog/hb\\_html/studrights.htm](http://www.waynecc.edu/catalog/hb_html/studrights.htm) Any student caught violating the WCC Code of Student Academic Integrity Policy, (i.e., cheating, plagiarizing, or other dishonorable acts), in academic work is subject to disciplinary action.

## Students with Disabilities

WCC is committed to seeing that students with disabilities have equal access to and participation in all programs of study. For further explanation, please note the Students with Disabilities policy in the WCC catalog <http://www.waynecc.edu/catalog/studentlife.htm>, or the Student Handbook <http://www.waynecc.edu/studserv/disability/index.htm>.

Students with disabilities can contact the Disability Coordinator, Mrs. Caroline Smith, in the Student Development office, Room WLC 115, or at 919-735-5152, extension 223 or at [csmith@waynecc.edu](mailto:csmith@waynecc.edu).

## Non-Discriminatory Statement

Wayne Community College is committed to a policy of providing educational opportunities to all students regardless of economic or social status, beliefs, sexual orientation, national origin, or physical or mental disability.

<http://www.waynecc.edu/catalog/cataloginfo.htm>

## Student Attendance Policy

Attendance policy link for the college catalog and student handbook:

[http://www.waynecc.edu/catalog/academic\\_regulations\\_p1.htm](http://www.waynecc.edu/catalog/academic_regulations_p1.htm).

Wayne Community College expects students to gain skills, competencies, and an awareness of a workplace ethic that emphasizes responsibility and commitment.

The College believes students demonstrate responsibility for and commitment to their educational goals through regular attendance; therefore, students must attend 80% of the total hours of any class to receive a passing grade. Instructors will excuse no absences under this policy. Students must be present in at least one class during the first ten percent (10%) of the class in order to be considered enrolled in the class.

Students who miss more than 20% of the class meetings before the last date for dropping a course will receive a grade of "W". After the last date to drop, instructors will assign the grade of "WF." The last day for dropping the course in order to receive a "W" rather than "WF" is **March 24**. Therefore, a grade of "W" would be received if there were more than **10 absences** before **March 24**, and a grade of "WF" would be received if the 10 absences have been exceeded after **March 24**.

Instructors expect students to make up missed work, but students cannot make up absences.

*Please be respectful of your classmates AND your instructor, and be on time for class. **Please note that if you are late for class (that is, if you are not present by the time I finish calling the roll) OR if you leave class more than 10 minutes early, you will be counted absent.***

## Additional Information From the Instructor

### 1. Phones/Pagers/Beepers

Cell phones, beepers, and walkie-talkies cause unnecessary disruption to the learning/teaching process in the classroom, lab or library setting. Out of courtesy to others, all systems of communication should be in quiet position during instructional, lab or library time.

2. Disruptive students will be dropped from the class.
3. Read assignments and take notes *in your own words* while you read.
4. \*\*I will provide study guides for each module; they can be found in Blackboard under "Course Documents". (A separate instruction sheet will be provided) I strongly recommend that you write out the answers in your notes soon after reading the module because ***you will be responsible for that material (on tests) even if it is not discussed in class.***
5. Do not hesitate to ask questions!!
6. Whenever possible, try to think of real-life examples of concepts we discuss. For example, when we study child development and look at the behavior of children in Piaget's sensorimotor stage of development, try to think of a child you know who is about the same age and relate his/her behavior to the characteristics Piaget described.
7. If you have difficulty with any aspect of this class, come to me right away. I will be more able to assist you at that point, rather than if you wait until the end of the course to report your concerns

## Course Outline and Calendar

Module 1	Discovering Psychology	
Module 2	Psychology & Science	
	<b>Test on Modules 1 &amp; 2:</b>	<b>Jan. 24</b>
Module 3	Brain's Building Blocks	
Module 4	Incredible Nervous System	
	<b>Test on Modules 3 &amp; 4:</b>	<b>Feb. 7</b>
Module 5	Sensation	
Module 6	Perception	
	<b>Test on Modules 5 &amp; 6:</b>	<b>Feb. 21</b>
Module 9	Classical Conditioning	
Module 10	Operant & Cognitive Approaches	
	<b>Test on Modules 9 &amp; 10:</b>	<b>March 7</b>

### **March 8-11: SPRING BREAK!**

Module 17	Infancy & Childhood	
	<b>Group Paper Due: March 24</b>	
Module 18	Adolescence & Adulthood	
	<b>Test on Modules 17 &amp; 18:</b>	<b>March 28</b>
Module 19	Freudian & Humanistic Theories	
Module 20	Social Cognitive & Trait Theories	
	<b>Test on Modules 19 &amp; 20:</b>	<b>April 11</b>
Module 22	Assessment & Anxiety Disorders	
Module 23	Mood Disorders & Schizophrenia	
	<b>Test on Modules 22 &amp; 23:</b>	<b>April 25</b>
Module 15	Motivation	
Module 25	Social Psychology	

**Final Comprehensive Exam: 8:00-9:50 AM, Thursday, May 5**