



UNIVERSITY of HAWAII\*  
**WINDWARD**  
COMMUNITY COLLEGE

## Math 78/Math 100:Survey of Mathematics

4 credits (CRN 64313/CRN 64133)

MWF 8:30 am – 9:45 am

INSTRUCTOR: Professor Clayton K. Akatsuka

OFFICE: Mana 101

OFFICE HOURS (times students may drop in for help):

TELEPHONE: (808) 236-9279

EMAIL: akatsuka@hawaii.edu

EFFECTIVE DATE: Fall 2018

### WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

*Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai‘i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko‘olau region of O‘ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.*

### CATALOG DESCRIPTION

#### **MATH 78: College Math Companion (1 credit)**

This course provides students concurrently enrolled in MATH 100, MATH 101, MATH 111, or MATH 115 with Just-In-Time support with special emphasis on pattern recognition and problem solving. Course topics are tailored to the concurrent course and may include ratio and percent, unit conversion, graphs, data interpretation, basic algebra, solving linear equations, and working with formulas. (One Lecture Hour)

Pre-Requisite(s): Satisfactory Placement Score

#### **MATH 100: Survey of Mathematics (3 credits)**

An introduction to quantitative and logical reasoning for the nonscience/nonmathematics major. The question, “What is mathematics?” is explored, while focusing on mathematical systems or models, cultivating an appreciation for mathematics as an aesthetic art, and developing skills in problemsolving and analysis. (3 hours lecture)

Pre-Requisite(s): C or better in MATH 25, 26, 28, 29, 75X or higher or equivalent, co-requisite enrollment in Math 78, satisfactory math placement test score, or consent of instructor.

## Activities Required at Scheduled Times Other Than Class Times

- (1) Homework. (2) Preparation for exams.

### STUDENT LEARNING OUTCOMES

As a result of taking this course, students can expect to attain the following outcomes:

1. Demonstrate college-level mathematical reasoning skills
2. Utilize basic properties and/or operations related to the topics covered in the course
3. Employ symbolic/mathematical techniques to solve applied problems
4. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form

### FOUNDATION Symbolic Reasoning HALLMARKS

Math 100 fulfills 3 credits of the General Education requirements (Foundations: Symbolic) for both an A.A. degree at WCC and a Bachelor's degree at UH Manoa. Consequently, it meets the hallmarks of the symbolic reasoning requirement.

1. Students will be exposed to the beauty, power, clarity and precision of formal systems.
2. Instructors will help students understand the concept of proof as a chain of inferences.
3. Instructors will teach students how to apply formal rule or algorithms.
4. Students will be required to use appropriate symbolic techniques in the context of problem solving, and in the presentation and critical evaluation of evidence.
5. The course will not focus solely on computational skills.
6. Instructors will build a bridge from theory to practice and show students how to traverse this bridge.

### FOUNDATION Quantitative Reasoning HALLMARKS

Math 100 also fulfills 3 credits of the General Education requirements (Foundations Quantitative) for both the AA degree at WCC and a Bachelor's degree at UH Manoa. Consequently, it meets the hallmarks of the quantitative reasoning requirement.

The course will:

1. Provide students with theoretical justifications for, and limitations of, mathematical or statistical methods, and the formulas, tools, or approaches used in the course.
2. Include application of abstract or theoretical ideas and information to the solution of practical quantitative reasoning problems arising in pure and applied research in specific disciplines, professional settings, and/or daily and civic life.
3. Provide opportunities for practice and feedback that are designed to help students evaluate and improve quantitative reasoning skills by including a course component at least once per week with a maximum 30:1 student-to-teaching ratio.
4. Be designed so that students will be able to
  - a. Identify and convert relevant quantitative information into various forms such as equations, graphs, diagrams, tables, and/or words;
  - b. Select appropriate techniques or formulas, and articulate and evaluate assumptions of the

- selected approaches;
- c. Apply mathematical tools and perform calculations (including correct manipulation of formulas);
  - d. Make judgments, create logical arguments, and/or draw appropriate conclusions based on the quantitative analysis of data, the assumptions made, the limitations of the analysis, and/or the reasonableness of results;
  - e. Effectively communicate those results in a variety of formats.

## COURSE CONTENT

*Concepts or Topics (What students should know or understand)*

- Personal Finance: Annuities, Methods of Savings, Investments, Cars, Cost of Home Ownership, Credit Cards. (FQ)
- Logic: Statements, compound statements, truth values, truth tables and applications, Euler diagrams and applications (FS & FQ)
- Graphs, linear functions, quadratic functions (FS & FQ)
- Counting and Probability: Combinations, permutations, Fundamental Counting Principle, odd (FS & FQ)
- Statistics: Sampling, graphs, measures of central tendency, measures of dispersion, normal distributions and applications (FS & FQ)

*Skills or Competencies/Responsibilities of Students. Success in this course will be enhanced by:*

- 1. A positive, inquiring attitude towards learning mathematics;*
- 2. Setting aside adequate time for studying and working of problems;*
- 3. Reading the text carefully and making use of other learning materials whenever necessary;*
- 4. Seeking assistance from the instructor, the Math Lab personnel, Supplemental Instruction(SI) Leader, or online resources whenever necessary;*
- 5. Completing assignments by the designated date;*
- 6. Regular class attendance, participation and maintaining accurate class notes.*

## COURSE TASKS

The mode of instruction is primarily lecture-discussion-class activities where the initial portion of each class period may be utilized to discuss and clarify any questions from the preceding class meeting and/or assignment, and the remaining portion is used to discuss new material. It is strongly recommended that students read sections prior to each class meeting. After the completion of each unit of instruction, a review and an exam will be conducted. Lectures, directed student explorations, group work, appropriate technologies, and projects will also be used as appropriate.

## ASSESSMENT TASKS AND GRADING

The student will demonstrate competency in the objectives by participating in, completing and turning in all assignments, class activities, and special projects requested, by taking unit exams and quizzes, and by taking a comprehensive final exam.

It is the student's responsibility to obtain and complete all assignments which are given in any class meeting for which the student is unable to attend.

Points will be assigned to each assignment, activity, quiz and exam that counts toward the student's grade as follows:

1. **Homework.** Homework sets will be graded on a 0 – 3 point scale. Assignments are due at the next class meeting. Work must be shown neatly and completely. Late homework may be accepted with penalty.
2. **Class Activity.** Class activities are done in class and will be graded on a 0 – 2 point scale. There is no make-up for a missed class activity. Students must be present in class to participate.
3. **Unit Exam.** There are three unit exams and one unit quiz given in class. A unit exam will be approximately 75 minutes in length and will be scored on a 100 point scale, and the unit quiz will be scored on a 50 point scale. There is no retest.
4. **Make-up Policy.** If you are unable to attend class on an exam day, discuss your situation with the instructor as soon as possible before the exam day. It may be possible for you to take the exam earlier than the specified day/time. If you unexpectedly must be absent on an exam day, notify me by 4:00 pm via e-mail or voicemail. If the notification is received and the reason is justified then a make-up exam will be scheduled. The instructor reserves the right to request documentation to determine whether the absence is justifiable. For each student, NO MORE THAN ONE make-up exam may be taken.
5. **Final Exam.** The final exam will cover the concepts and skills in the entire course. The final exam is 2 hours in length and will be scored on a 200 point scale. There is no retest. There is no make-up.
6. **Calculators.** A basic 5-function calculator is recommended for homework and is necessary for chapters 11 and 12. Calculator use is allowed on some exams. The following is NOT allowed on exams: graphing calculators, iPods, cell phones or any other electronic device not solely designated as a calculator, or sharing of calculators.

Each letter grade for the course will be assigned according to the level of achievement as provided in the table below:

### Letter Grade

A	earns 90% - 100% of the cumulative points possible.
B	earns 80% - 89% of the cumulative points possible.
C	earns 70% - 79% of the cumulative points possible.
Cr	earns 70% - 100% of the cumulative points possible.
D	earns 60% - 69% of the cumulative points possible.
NC	earns less than 70% of the cumulative points possible.
F	earns less than 60% of the cumulative points possible.

Note: Students must apply for the Cr/NC grading option at the Admissions Office. Check your Schedule of Classes for deadline.

## LEARNING RESOURCES

### Required materials:

- Textbook: Thinking Mathematically, 6th edition, by Blitzer  
Although not required, a Student Solution Manual is also available.
- Basic Calculator: Must have a square root function

### Learning Resources:

- Supplemental Instruction Leader: TBA
- Testing Center: La`akea (Library Learning Commons) Room 228  
Phone number: 235-7498  
[http://windward.hawaii.edu/Testing\\_Center/index.php](http://windward.hawaii.edu/Testing_Center/index.php)
- WCC Math Lab: La`akea (Library Learning Commons) Room 222  
[http://windward.hawaii.edu/Math\\_Lab/](http://windward.hawaii.edu/Math_Lab/)
- Brainfuse Online Tutoring: <http://windward.hawaii.edu/brainfuse/>
- OLA (UH Online Tutoring): <http://manoa.hawaii.edu/ola/>
- Kahn Academy Videos: <http://www.khanacademy.org>

## ADDITIONAL INFORMATION

1. Grading on homework, class activity, quiz or exam. To receive full marks for problems done on any graded activity, you must show your work neatly and completely. Partial credit may be awarded.
2. Absences. It is your responsibility to attend class. Even if you are absent, you are responsible for those topics and examples covered in the class that you missed. Furthermore, you are responsible for obtaining any important announcements and assignments given during the class that you missed. If you are absent frequently or for an extended period of time, contact the instructor as soon as possible to discuss your situation. Absence and tardiness to class can have a negative impact on your success in this course. Frequent or long periods of absence require a professional note justifying the absence.

## DISABILITIES ACCOMMODATIONS

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, [lemke@hawaii.edu](mailto:lemke@hawaii.edu), or you may stop by Hale `Ākoakoa 213 for more information.

## TITLE IX

Title IX prohibits discrimination on the basis of sex in education programs and activities that receive federal financial assistance. Specifically, Title IX prohibits sex discrimination; sexual harassment and gender-based harassment, including harassment based on actual or perceived sex, gender, sexual orientation, gender identity, or gender expression; sexual assault; sexual

exploitation; domestic violence; dating violence; and stalking. For more information regarding your rights under Title IX, please visit: [https://windward.hawaii.edu/Title\\_IX/](https://windward.hawaii.edu/Title_IX/).

Windward Community College is committed to the pursuit of equal education. If you or someone you know has experienced sex discrimination or gender-based violence, Windward CC has resources to support you. To speak with someone confidentially, contact Karla Silva-Park, Mental Health Counselor, at 808-235- 7468 or [karlas@hawaii.edu](mailto:karlas@hawaii.edu) or Kaahu Alo, Designated Confidential Advocate for Students, at 808-235- 7354 or [kaahualo@hawaii.edu](mailto:kaahualo@hawaii.edu). To make a formal report, contact the Title IX Coordinator at 808-235-7393 or [wctix@hawaii.edu](mailto:wctix@hawaii.edu).

### **ACADEMIC INTEGRITY**

Work submitted by a student must be the student's own work. The work of others should be explicitly marked, such as through use of quotes or summarizing with reference to the original author.

Students can upload papers to <http://www.TurnItIn.com> to have papers checked for authenticity, highlighting where the paper potentially fails to appropriately reference sources.

In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s):

Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

### **ALTERNATE CONTACT INFORMATION**

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

Location: Alakai 121

Phone: 808-235-7422

Email: [wcaa@hawaii.edu](mailto:wcaa@hawaii.edu)

## Tentative Schedule - Fall 2018

**Math 78/100** (CRN 64313/64133)  
**Survey of Math + Companion**  
**MWF 8:30 am – 9:45 am**  
**Mana 101**

Instructor: Clayton K. Akatsuka  
 Office: Manao 112  
 Office Phone: 236-9279  
 e-mail: [akatsuka@hawaii.edu](mailto:akatsuka@hawaii.edu)

Important Dates	
Aug 28	Last day to register/add/drop and to receive 100% refund of tuition
Sept 11	Last day for 50% refund of tuition and to withdraw without a "W" grade
Oct 29	Last day to withdraw with a "W" grade or choose CR/NC grade option

	Monday	Wednesday	Friday
<b>Aug</b>	<p>20</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• 7.1 Graphing &amp; Functions</li> </ul> <p><u>Assignment:</u>                      Do <b>7.1</b> pp. 418-420 #28, 43, 54-62, 65, 77, 78.</p>	<p>22</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• 7.2 Linear Functions</li> </ul> <p><u>Assignment:</u>                      Do <b>7.2</b> pp. 430-432 #8, 12, 16, 17, 19, 40, 57-59, 63, 65, 66.</p>	<p>24</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Review/Collect HMK</li> <li>• 7.6 Quadratic Functions and Exponential Functions</li> </ul> <p><u>Assignment:</u>                      Do <b>7.6</b> pp. 474-478 #2, 4, 9, 13, 23, 51-53.</p>
<b>Aug</b>	<p>27</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Review/Collect HMK</li> <li>• 8.5 Annuities, Methods of Savings, and Investments</li> </ul> <p><u>Assignment:</u>  <b>8.5</b> Read pp. 523-535                      Do pp. 536-538 #1, 15, 27, 31, 35.</p>	<p>29</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Review/Collect HMK</li> <li>• 8.6 Cars</li> </ul> <p><u>Assignment:</u>  <b>8.6</b> Read pp. 539-545                      Do: pp. 546-548 #62, 5, 11, 14.</p>	<p>31</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Review/Collect HMK</li> <li>• 8.7 Cost of Home Ownership</li> </ul> <p><u>Assignment:</u>                      8.7 Read pp. 548-555                      Do: pp. 555-557 #1, 8, 27.</p>
<b>Sept</b>	<p>3</p> <p><b>Holiday</b></p> <p><b>Labor Day</b></p>	<p>5</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Review/Collect HMK</li> <li>• 8.8 Credit cards</li> </ul> <p><u>Assignment:</u>  <b>8.8</b> Read pp. 557-563                      Do: pp.563-565 #1, 6, 8.</p>	<p>7</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>• Review/Collect HMK</li> <li>• Ch 7 Test and Ch 8 Test Review</li> </ul> <p><u>Assignment:</u>                      Do <b>Ch 7 Test</b> pp. 483-485 #2, 5-8, 11, 15, 25; and                      Do <b>Ch 8 Test</b> pp.572-574 #15, 19-25, 27.</p> <p><i>Completed Ch 7 Test and Ch 8 Test assignments must be turned in before taking Exam I.</i></p>

Sept	<p>10</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>Exam I (Ch 7 and Ch 8) Prep</li> </ul> <p><u>Assignment:</u> Study for Exam I.</p> <p><i>Completed Ch 7 Test and Ch 8 Test assignments must be turned in before taking Exam I.</i></p>	<p>12</p> <p><u>In Class:</u></p> <p style="text-align: center;"><b>Exam I (Ch 7 and Ch 8)</b></p> <p><u>Assignment:</u> None</p>	<p>14</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review Exam I results</li> <li>3.1 Statements, Negations, Quantified Statements</li> </ul> <p><u>Assignment:</u> Do <b>3.1</b> pp. 120-121 #1-19 odds, 21-24, 29-41 odds, 59-66, 80.</p>
Sept	<p>17</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.2 Compound Statements &amp; Connectives</li> </ul> <p><u>Assignment:</u> Do <b>3.2</b> pp. 132-134 #7-10, 11-17 odds, 33-39 odds, 59-65 odds, 83.</p>	<p>19</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.3 Truth Tables – Negation, Conjunction, and Disjunction</li> </ul> <p><u>Assignment:</u> Do <b>3.3</b> pp. 148-149 #20, 22, 24, 29, 42, 45, 49, 53, 55, 57, 81-84.</p>	<p>21</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.4 Truth Tables – Conditional and Biconditional</li> </ul> <p><u>Assignment:</u> Do <b>3.4</b> pp. 159-161 #7, 13, 16, 26, 33, 34, 41, 57, 83-86.</p>
Sept	<p>24</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.5 Equivalent Statements</li> </ul> <p><u>Assignment:</u> Do <b>3.5</b> p. 170 #3-15 odds, 19, 22, 29, 31.</p>	<p>26</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.6 Negations; De Morgan's Laws</li> </ul> <p><u>Assignment:</u> Do <b>3.6</b> pp. 178-179 #3, 5, 9, 15, 22, 26, 29, 38, 39, 47, 53, 55-60.</p>	<p>28</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.7 Arguments and Truth Tables</li> </ul> <p><u>Assignment:</u> Do <b>3.7</b> pp. 190-192 #3, 9, 15, 21, 27, 33, 39, 42, 45, 51.</p>
Oct	<p>1</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>3.8 Arguments and Euler Diagrams</li> </ul> <p><u>Assignment:</u> Do <b>3.8</b> pp. 203-204 #5, 10, 15, 20, 25, 30, 35, 37, 47, 49.</p>	<p>3</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Ch 3 Test review</li> </ul> <p><u>Assignment:</u> Do <b>Ch 3 Test</b> p. 209 #1-29.</p> <p><i>Completed Ch 3 Test assignment must be turned in before taking Exam II.</i></p>	<p>5</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Exam II (Ch 3) Prep</li> </ul> <p><u>Assignment:</u> Study for Exam II.</p> <p><i>Completed Ch 3 Test assignment must be turned in before taking Exam II.</i></p>



Oct	<p>8</p> <p><u>In Class:</u></p> <p style="text-align: center;"><b>Exam II (Ch 3)</b></p> <p><u>Assignment:</u> None</p>	<p>10</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review Exam II results</li> <li>11.1 Fundamental Counting Principle</li> </ul> <p><u>Assignment:</u> Do <b>11.1</b> p. 693 #5, 10, 15-17, 19, 20.</p>	<p>12</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.2 Permutations</li> </ul> <p><u>Assignment:</u> Do <b>11.2</b> pp. 700-701 #5, 10, 15, 20, 25, 35, 40, 45, 50, 55.</p>
Oct	<p>15</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.3 Combinations</li> </ul> <p><u>Assignment:</u> Do <b>11.3</b> pp. 707-708 #1-5, 10, 20, 23, 28, 30, 35, 40, 44, 50, 57.</p>	<p>17</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.4 Fundamentals of Probability</li> </ul> <p><u>Assignment:</u> Do <b>11.4</b> p. 716 #27-48, 55-60.</p>	<p>19</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.5 Probability (Part I)</li> </ul> <p><u>Assignment:</u> Do <b>11.5(Part I)</b> pp. 723-724 #1, 4, 5, 7-12.</p>
Oct	<p>22</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.5 Probability (Part II)</li> </ul> <p><u>Assignment:</u> Do <b>11.5(Part II)</b> pp. 723-724 #16-20.</p>	<p>24</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.6 Events with <i>NOT, OR</i>; Odds</li> </ul> <p><u>Assignment:</u> Do <b>11.6</b> pp. 734-735 #1-7, 11, 12, 25-34, 41-48.</p>	<p>26</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.7 Events with <i>AND</i>; Conditional Probability (Part I)</li> </ul> <p><u>Assignment:</u> Do <b>11.7(Part I)</b> pp. 746-747 #11-22.</p>
Oct	<p>29</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>11.7 Events with <i>AND</i>; Conditional Probability (Part II)</li> </ul> <p><u>Assignment:</u> Do <b>11.7(Part II)</b> pp. 746-747 #49-60.</p>	<p>31</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li><i>Review/Collect HMK</i></li> <li><i>Ch 11 Test Review</i></li> </ul> <p><u>Assignment:</u> Do <b>Ch 11 Test</b> pp. 762-763 #1-19, 22-26. <i>Completed Ch 11 Test assignment must be turned in before taking Exam III.</i></p>	<p>2</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li><i>Review/Collect HMK</i></li> <li><i>Exam III (Ch 11) Prep</i></li> </ul> <p><u>Assignment:</u> <i>Study for Exam III.</i></p>
Nov	<p>5</p> <p><u>In Class:</u></p> <p style="text-align: center;"><b>Exam III (Ch 11)</b></p> <p><u>Assignment:</u> None.</p>	<p>7</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review Exam III results</li> <li>12.1 Sampling, Frequency Distributions, and Graphs</li> </ul> <p><u>Assignment:</u> Do <b>12.1</b> pp. 766-775 #9-17, 22-29, 31, 33-37.</p>	<p>9</p> <p><u>In Class:</u></p> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>12.2 Measures of Central Tendencies</li> </ul> <p><u>Assignment:</u> Do <b>12.2</b> pp.791-793 #5, 10, 15, 20, 25, 30, 40, 43, 50, 52, 54, 62.</p>

Nov	12  <b>Holiday</b>  <b>Veterans' Day</b>	14 <u>In Class:</u> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>12.3 Dispersion</li> </ul> <u>Assignment:</u> Do <b>12.3</b> p. 800 #10, 25, 30, 32.	16 <u>In Class:</u> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>12.4 Normal Distribution</li> </ul> <u>Assignment:</u> Do <b>12.4</b> p. 813 #11-22, 25, 30, 35, 40, 43.
Nov	28 <u>In Class:</u> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>12.5 Problem Solving with Normal Distribution (Part I)</li> </ul> <u>Assignment:</u> Do <b>12.5 (Part I)</b> pp. 820-821 #4, 8, 12, 15.	21 <u>In Class:</u> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>12.5 Problem Solving with Normal Distribution (Part II)</li> </ul> <u>Assignment:</u> Do <b>12.5 (Part II)</b> pp. 820-821 #17, 20, 25, 31-36.	23  <b>Thanksgiving Recess</b>
Nov	26 <u>In Class:</u> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>Ch 12 Test Review</li> </ul> <u>Assignment:</u> Do <b>Ch 12 Test</b> pp. 837-838 #1-21.  <i>Completed Ch 12 Test assignment must be turned in before taking Ch 12 Quiz.</i>	28 <u>In Class:</u> <ul style="list-style-type: none"> <li>Review/Collect HMK</li> <li>Ch 12 Quiz Prep</li> </ul> <u>Assignment:</u> Study for the Ch 12 Quiz.  <i>Completed Ch 12 Test assignment must be turned in before taking Ch 12 Quiz.</i>	30 <u>In Class:</u>  <b>Ch 12 Quiz</b>  <u>Assignment:</u> Final Exam Review Sheet
Dec	3 <u>In Class:</u> <ul style="list-style-type: none"> <li>Final Exam Review</li> </ul> <u>Assignment:</u> Final Exam Review Sheet <i>Completed Final Exam Review must be turned in before taking the Final Exam.</i>	5 (Last Class) <u>In Class:</u> <ul style="list-style-type: none"> <li>Final Exam Review</li> </ul> <u>Assignment:</u> Final Exam Review Sheet <i>Completed Final Exam Review must be turned in before taking the Final Exam.</i>	7
Dec	10	12  <b>Final Exam</b> <b>8:30 am –10:30 am</b>	14