

**Central Washington University**

**Course title and number:**

Math 130-004 & 005

**Course offered:** Fall 2015.

**Credits:** 5 credit hours

**Instructor contact information:** Dr. Frank Underdown Jr.; Cell# 509-989-5533 (please, no call after 9:00 pm); email: Contact me through Canvas

**Course time & place:** MoTuWeThFr

**11:00 – 11:50am, Bouillon Hall 102, Math 130-004**

**12:00 – 12:50am, Hertz Hall 118, Mat 130-005**

**Note: I will upload course materials to Canvas (Homework problems, solutions, etc. You will also be able to communicate with me via Canvas.**

**Office:** Black Hall room 225-34

**Office hours:** 10:00 – 11:00am Mon - Fri

**Textbook:** Finite Mathematics: Introductory Probability and Statistics, by Owen & Cutlip

**Course Content:** Chapters 6, 7, 8, 9

**Equipment:** Scientific calculator and computer

**CATALOG DESCRIPTION:** The language of sets, counting procedures, introductory probability and decision-making, introductory descriptive statistics.

**PREREQUISITE:** MATH 100B or equivalent, or permission of Department Chair or see the Placement Information

**Measurable learning objectives:**

- 1) Think Critically
- 2) Reason quantitatively and symbolically
- 3) Communicate effectively
- 4) Apply information tools and resources
- 5) Develop cultural awareness
- 6) Master program learning objectives

This is the intended schedule for the class. Topics listed each day are the sections that are planned to be discussed in class on that day. It is not unusual to be two or three days ahead or behind this schedule, but we will cover the material in this order.

Week 1: Sets and Venn Diagrams

Week 2: Probability

Week 3: Statistics

Week 4: Random Variables

Week 5: Probability Distributions

Week 6: Midterm Exam (Take home) & Sampling

Week 7: confidence intervals

Week 8: Hypothesis Testing

Week 9: Decision Theory

Week 10: Final Exam (Take home)

**Important Dates:**

September 23, 2015, classes begin

November 11, 2015, Veterans Day, No classes

November 25-27, Thanksgiving Recess, no classes

December 4, 2015, Classes end, last day of instruction

December 7 – 10, Final Exam week

**Final Exam \_\_\_\_\_ / The week before official final week**

**ASSESSMENT METHODS AND GRADING SCALE**

*Your grade will be based on the following:*

*Homework 25%*

*Quizzes 50% (5 total, approximately 1 quiz every two weeks)*

*Final exam 25% (Maybe a cooperative project. We will discuss this.)*

The grading scale follows:

Decimal	Percent age %	Decimal	Percent age %	Decimal	Percent age %
4	95	2.8	83	1.6	71
3.9	94	2.7	82	1.5	70
3.8	93	2.6	81	1.4	69
3.7	92	2.5	80	1.3	68
3.6	91	2.4	79	1.2	67
3.5	90	2.3	78	1.1	66

3.4	89	2.2	77	1	65
3.3	88	2.1	76	0	<64
3.2	87	2	75		
3.1	86	1.9	74		
3	85	1.8	73		
2.9	84	1.7	72		

**Attendance policy: Attendance is mandatory. Three or more unexcused absences will result in you failing the course. You will be responsible to do your homework and take exams on time.** Only if you have a pre-approved absence, or documented family/medical emergency will you be allowed to make up the work.

### **ACADEMIC HONESTY**

As members of the Central Washington University learning community, students are not to engage in any form of academic dishonesty. Forms of academic dishonesty include, but are not limited to, plagiarism, cheating, fabrication, grade tampering, and misuse of computers and other electronic technology. Students who engage in academic dishonesty may receive an academic penalty or a disciplinary penalty or both. The disciplinary consequences of engaging in any form of academic dishonesty include reprimand, probation, suspension, and dismissal. A student who knowingly helps or attempts to help another individual to violate the University's policy on academic honesty also may be subject to academic as well as disciplinary penalties.

### **EXAMS:**

**1) Work exams by yourself. Do NOT collaborate on exams. Any students who collaborate on the exam will receive a zero on the exam.**

**2) Do NOT go to the help center to get help working on your exams. The center has been instructed to take your exam if you do. Any students who use the help center to complete their exams, will receive a zero on the exam.**

### **STUDENTS REQUIRING SPECIAL ACCOMMODATION**

**Central Washington University provides reasonable accommodations to students with disabilities. Students who need course accommodations because of a disability, have emergency medical information, or need special arrangements in case the building must be evacuated, should notify their instructors as soon as possible.**