

Course Description

Management Principles for Computing Professionals prepares software developers with the background needed to become more successful team players, leaders, and managers within their organizations. This course will take an interdisciplinary approach using the theories and best practices from management, organizational psychology, and software engineering and their application to challenges facing high technology organizations.

Textbooks and Readings

The Human Challenge: Managing Yourself and Others in Organizations. Tucker, McCarthey, & Benton, Pearson Education, 2003.

The Human Side of Managing Technological Innovation, 2nd Edition. Katz, Oxford University Press, 2004.

Selected readings from handouts and/or on reserve in the library or on the Internet may be assigned on a weekly basis through the course.

Course Objectives

- Define the role and purpose of management and leadership in organizations
- Understand the relationships between individual and organization—goals, culture, communication, and structures
- Describe theories and best practices related to organizations, motivation, leadership, and decision making and their applicability to software teams
- Use management principles to assess key issues facing an organization

Course Outline

- Overview of Management for Technical Organizations
 - Tucker: Chapter 1
 - Katz: Chapters 11, 12
- Organizations and Individuals
 - Tucker: Chapters 2, 3, 4
 - Katz: Chapters 8, 9, 44, 45
- Organizations, Teams, and Groups
 - Tucker: Chapters 6, 12, 13, 15
 - Katz: Chapters 14
- Motivation Theory
 - Tucker: Chapters 7
 - Katz: Chapters 1

Grades	
	Percent of Grade
Exams	40%
Individual Activities	30%
Group Participation	30%

First Exam

- Motivating Technical People
 - Tucker: Chapters 5
 - Katz: Chapters 2, 4, 5, 35
- Leadership Strategies
 - Tucker: Chapters 11
 - Katz: Chapters 10
- Decision Making
 - Tucker: Chapters 10, 11
 - Katz: Chapters 31, 51, 58
- Performance and Growth
 - Tucker: Chapters 8, 9, 14
 - Katz: Chapters 3, 46
- Organizational Change
 - Tucker: Chapters 16
 - Katz: Chapters 19, 23

Second Exam

About the Instructor

Mr. Mark Kochanski

Office: UW2-345

Hours: TTH 2:30-3:30, 6:00-8:00

or by appointment

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Projects, Exams, Grades, and Related Requirements

Your academic performance on exams, personal and group project work, homework and quizzes, and class participation through out the quarter will determine your grade.

Exams

All exams will consist of short answer and essay questions. Exam questions may be based on case studies discussed in class or introduced specifically for the exam. Exams will cover all materials from lecture, textbooks, related readings, and assignments.

Individual Activities

Each week may include one or more individual in-class exercises, homework assignments, quizzes, or other activities to prepare for upcoming class discussion. An activity may be based on class readings before they are discussed in class. Activities may be either required (graded) or optional (bonus).

Group Participation

We will explore a number of topics through role playing, small group discussion, and exercises requiring group participation. Written assignments for group exercises will be due the next class unless other scheduled when the assignment is handed out. You will be expected to be an equal participant throughout the quarter. Your individual group participation grade will be based on your group total adjusted for self and peer assessment of your effort over the quarter.

Class Website

The class website is available via University of Washington Bothell Blackboard system: **bb.uwb.edu**. Assignments, grades, discussion groups, and related class information may be found on the site. You will need to register to use the web site. Contact the UWB Information System's Help Desk if you have any problems registering or using your Blackboard account. You should note that schedule changes may be announced in class only and not updated on timely basis to the website.

Classroom Policies

Many students use notebook PCs, PDAs, tape recorders, and other equipment to improve their ability to take notes and understand class lectures and discussion. You may use this equipment in the classroom subject the following conditions:

1. All recordings and other media captured during class time are for *personal use only* and may not be sold, traded, or exchanged. Such use may constitute a violation of intellectual property laws.
2. Using electronic equipment for communicating and/or performing work not related to class activities disrupts not only your concentration but those around you and your instructor's. You may be asked to immediately turn off equipment and/or leave the classroom.

Academic Integrity

You are expected to provide original work based on your own effort for this course. You may not use case studies or past exams from this class as resource. You will be expected to participate as an equal member of a project team in any group projects. You will receive a zero for any exam or coursework for which you are discovered cheating, facilitating, fabricating, or plagiarizing. You may be referred to the University for further action.

Disability Accommodations

To request academic accommodations due to a disability, please contact **Disabled Student Services** (DSS) in the Library Annex, Room 106, (425) 352-5000, (425) 352-5303 (TDD). If you have a documented disability on file with the DSS office, please have your DSS counselor contact me and we can discuss accommodations you might need in class.

Inclement Weather Policy

Call **(206)-547-4636** (206-547-INFO) to see if University of Washington, Seattle, Bothell, and Tacoma campuses are open and operating.