

# Course Syllabus

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## ETE 3200 – Methods in Industrial Education I - Fall 2008

**Instructor:** Dr. Kurt Becker

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**Office:** IS 112E

**Office Hours:** M,W 10:00 - 11:30

**Meeting Time:** M,W 8:30 – 9:50

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### **Course Description:**

This course consists of classroom laboratory practicum for design, practice and performance of technology education demonstrations and lab activities. Included is a complete facilities redesign, lesson plan development and various method and techniques used in preparation for teaching technology curriculum. This course also requires ETE 3300 – Clinical Experience. Clinical Experience includes students working in local schools completing 30 hours of classroom work with students and assisting teachers with managerial, clerical and other professional tasks.

### **Texts:**

“Managing the Occupational Education Laboratory”. Storm, George  
and  
“Improving Vocational Curriculum”. Duenk, Lester G.

### **Course Objectives:**

Upon completion of this course the student will be able to:

- Demonstrate the fundamentals of laboratory planning and will be able to recognize the value of good planning and quality instruction.
- Demonstrate the budgeting process used in the educational environment.
- Organize and manage a technology education program including materials, tools and equipment, and students.
- Operate a safety program to protect himself or herself from liability.
- Prepare instructional lesson plans.
- Demonstrate presentation techniques used in classroom teaching.
- Demonstrate discipline techniques used in classroom teaching.
- Demonstrate methods of student evaluation used in classroom teaching.

## ITE 3200 Syllabus (continued)

### Evaluation Method (Course):

Assignments/Activities	- 35%	<b>Note:</b> All Problems/Projects are due at the assigned times. A penalty will be given for all late items.
Journal Abstracts	- 10%	
Lab Design	- 35%	
Exams (midterm/final)	- 20%	
Total	- 100%	

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### Attendance:

Attendance at all class periods is a requirement of the course. Students are expected to be in class during the time scheduled. Role will be taken at the beginning of each class session. Tardiness and/or unexcused absences will affect your final grade.

### Final Exam:

- December 10, 2008 – Wednesday (7:30 – 9:20 a.m.)

### Materials:

- Three ring notebook for supplemental handout materials
- Safety Glasses (for field experience lab work)

### Special Needs:

If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center, preferably during the first week of the course. Any requests for special considerations relating to attendance, pedagogy, taking of examinations, etc. must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative formats, i.e. large print, audio, diskette, or Braille.

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### Course Calendar:

WEEK	LAB/LECTURE	READINGS
1-2	<b>Course Overview</b> <b>Types of Facilities</b> <b><i>Journals in Technology Education (assignment) – (5 pts.)</i></b> <b>Engineering and Technology Education Curriculum</b> <ul style="list-style-type: none"><li>• State and National Curriculum</li></ul> <b>Facilities Planning</b> <ul style="list-style-type: none"><li>• Preliminary Assessment</li><li>• Basic Considerations</li></ul> <b><i>Assign Journal Abstract #1</i></b>	<b>Handouts</b>  <b>Chapter 3 (Storm)</b>
	<b>Labor Day Holiday - No Class on Monday, September 1, 2008</b>	

**Course Calendar** (continued)

WEEK	LAB/LECTURE	READINGS
3	Curriculum Development  <i>Assign Curriculum (round 1)</i> <i>Journal Abstract #1 – Due (10 pts.)</i> <i>Assign Lab Design Assignment</i>	Handouts
4	Materials Control <ul style="list-style-type: none"><li>• Storage</li><li>• Distribution</li><li>• Inventory Control</li><li>• Project Rational</li><li>• <i>Curriculum (round 1) – Due (5 pts.)</i></li></ul>	Chapter 4 (Storm)  Handouts
5	Curriculum Occupational Analysis Sources of Curriculum  Student Learning Styles Bloom's Taxonomy	Chapter 1 Chapter 2 Chapter 3 (Duenk)  Handouts Handouts
6-7	Objectives Lesson Plans ARCS Model  <i>Assign Rational/Need Curriculum - Due (round 2) (15 pts.)</i> <i>Assign Lesson Plan #1</i>	Handouts Handouts Chapter 6 (Duenk)
8	Maintenance <ul style="list-style-type: none"><li>• Preventative</li><li>• Equipment Repair</li><li>• Records</li></ul> <u>Midterm Exam</u>	Chapter 5 (Storm)
9	Organizing Personnel <ul style="list-style-type: none"><li>• Work Rotation</li><li>• Student Control</li></ul> <i>Rational/Need Due (round 1) (5 pt.)</i>	Chapter 7 (Storm)

## Course Calendar (continued)

WEEK	LAB/LECTURE	READINGS
10	<b>Equipment and Supply Selection</b> <ul style="list-style-type: none"><li>• Vendors</li><li>• Specifications</li><li>• The Bid Process</li></ul> <b>Presentation Techniques</b> <b>Assign Journal Abstract #2</b>	<b>Chapter 1,2 (Storm)</b>  <b>Handouts</b>
11	<b>Orienting Students to Lab Activities</b> <b>Rational/Need Due (round 2) (10 pts.)</b>	<b>Chapter 9 (Storm)</b>
12	<b>Student Evaluation</b>  <b>Assign Demonstration Lesson Plan Journal Abstract #2 –Due (10 pts.)</b>	<b>Handouts Chapter 8 (Duenk)</b>
13,14	<b>Safety and Liability</b> <ul style="list-style-type: none"><li>• Accident Reduction</li><li>• Safety Program</li><li>• Liability</li></ul> <b>Demonstration Lesson Plan – Due (50 pts.)</b> <b>Demonstration Lesson Plan – Due (100 pts.)</b>	<b>Chapter 6 (Storm)</b> <b>Chapter 10 (Duenk)</b>
15	<b>Final Exam</b>	

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### Assignments/Exams:

1. Journal Abstracts (10%) - Prepare 2 journal abstracts from professional journals related to class content.
2. Laboratory Renovation (35%) - Renovate and document process with a given budget and curriculum.
3. Assignments (35%) – Various assignments will be completed during class and field-based experiences.
  - Lesson Plan Development
  - Safety Assignment
  - Demonstration Lesson Plan
4. Exams (20%)- A Midterm and Final exam will be given.