

# Course Syllabus

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**Department** : Occupational Safety & Health Technology  
**Course Title** : OSHT 2405: Ergonomics/Human Factors  
**Section Name** : 1 WB  
**Start Date** : January 18, 2011  
**End Date** : March 11, 2011  
**Modality** : Online  
**Credits** : Four

## Instructor Information

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**Name** : Lynn Reese  
**OC Email** : lreese@odessa.edu  
**OC Phone** : 432-335-6883

**Course Description** : A study of the relationship of human behavior and ergonomics as applied to safety. The student will explain the psychology and human behavior related to workplace safety, identify ergonomic hazards and recommend appropriate controls, write an ergonomic proposal which provides recommendations to management, and relate the human factors which contribute to ergonomic hazards.

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**Course Catalog Description:** A study of the relationship of human behavior and ergonomics as applied to safety. The student will explain the psychology and human behavior related to workplace safety, identify ergonomic hazards and recommend appropriate controls, write an ergonomic proposal which provides recommendations to management, and relate the human factors which contribute to ergonomic hazards.

**Course Objectives:** Demonstrate an understanding of how to design equipment and the workplace to fit people.

## Prerequisites/Corequisites

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None.

## Scans

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## Required Readings/Materials

### Web Access

*Ergonomics for Beginners, a Quick Reference Guide*, by J. Dul and B. Weerdmeester, 2001, Third Edition, CRC Press, Taylor & Frances Group, Boca Raton, FL. (ISBN: 978-1-4200-7751-3)

*Technical Communication*, Eleventh Edition, by John M. Lannon, 2008, Pearson Longman, New York (ISBN: 978-0-205-55957-2).

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## Course Requirements (Lectures, Assignments and Assessments)

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### Course Calendar

Assignment Due	Assignments	Outside Research
January 21	Chap. 1	
January 26	Chap. 2, pp 5-25	Balans Chair
January 31	Chap. 2, pp. 25-41	Hardware
February 1	<b>Exam</b>	None

February 9	<b>Management Proposal</b>	<b>Your Research</b>
February 10	Chap. 3, pp. 43-68	Computers & Eyestrain
February 14	Chap. 4, pp. 71-94	None
February 17	<b>Observation Project</b>	<b>Your choice--but approval prior to start is MANDATORY!</b>
February 21	<b>Exam</b>	
February 24	Chap. 5, pp. 99-105	Ergonomics and the Job
March 1	Chap. 6, pp. 107-117	Making the Grade
March 10	<b>FINAL EXAM</b>	None

## Grading Policy

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The two intermediate exams will each count 10 percent of your grade.

The final exam will count 10 percent of your grade.

Completion of the weekly assignments and discussions will count 30 percent of your grade.

The Observation Project will count 15 percent of your grade.

The Management Proposal will count 25 percent of your grade.

**Discussion Board:** Discussion assignments (if any) will be posted on the Discussion Board.

## Special Needs

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Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

## Learning Resource Center (Library)

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The Library, known as the Learning Resources Center, provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "[Ask a Librarian](#)" service provide additional help.

## Student E-mail

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Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

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## Technical Support

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For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).

## Important School Policies

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For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).