IT 264
INDUSTRIAL FLUID POWR
SYLLABUS

Spring 2008

Instructor:
Mr. James Stutts

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Office Hours: 11:00 – 12:00 & 3:00 – 5:00 MW
10:00 – 12:00 TTH
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Course Description:
Theory and practice of hydraulic and pneumatic power for industrial production. Functional examination of units: pumps, valves, boosters, etc. Simulated systems used to emphasize design and other industrial materials. Three hours of credit will be awarded for the successful completion of this course.

Course Objectives:

1. To instill within each student a positive safety attitude with regard to the design, construction, operation, and maintenance of fluid power systems.

2. To provide students with knowledge of the applications of fluid power in process, construction and manufacturing industries.

3. To provide students with an understanding of the physical laws and principles that governs the behavior of fluid power systems.

4. To provide students with an understanding of the fluids and components utilized in modern industrial fluid power systems.

5. To develop within each student a measurable degree of competence in the design, construction and operation of fluid power circuits.
**Course materials:**


**Lab Manual:** Fluid Power Experiments will be provided at the appropriate times.

**Grades:**

1. Grades will be assigned according with the departmental scale.

   93-100 = A, Superior  
   85-92 = B, Very Good  
   77-84 = C, Average  
   69-76 = D, Below Average  
   0-68 = F, Failure

   **Note:** Students **MUST** score a “C” or above in all courses within their major. Otherwise, they must repeat the course. **A 10% Grade penalty for each day an assignment is late. A zero will be given after 10 days.**

2. Basis for assigning grades:

   a.) Tests (4)  
      300 – 400 Points

      **Note:** All students are to take tests on the specified date and time. Students with unexcused absences will **Not** be able to make-up tests, quizzes and lab assignments! A grade of **Zero** (0) will be assigned!

   b.) Quizzes  
      30-60 points

   c.) Laboratory grade  
      100 points

      **Note:** Ninety points of the lab grade will be awarded for the written laboratory assignments. Ten additional points will be awarded at the discretion of the instructor for safe and efficient work habits, time management, the proper use of tools and equipment, and the ability of the student to work as an integral part of a team. **If you have any problem with this grading system, please make an appointment to talk with me immediately!**

   d.) Article reviews  
      20 points ea.
Important Dates and Notes:

1. Students will **NOT** automatically be dropped from class. Students who choose to drop must do so by the semester deadline! **Friday, March 14, 2008** is the last day to **withdraw** from classes.

2. The **final exam** for MW class will be on **Thursday, May 15, 2008 from 2:45-4:45!!!** The **final exam** for TTH class will be on **Thursday, May 15, 2008 from 8:00-10:00!!!**

3. **Monday, March 17**, through **Thursday, March 20, 2008** is **early registration** for the **Summer, 2008** Semester.

4. **Monday, March 31**, through **Friday, April 4, 2008** is **early registration** for the **Fall, 2008** Semester.

5. If you are a qualified student with a disability seeking accommodations under the Americans with Disabilities Act, you are required to **self-identify** with the office of Disability Services, Room 203, Student Union. No accommodations will be granted without documentation from the Office of Disability Services.

6. **Student behavior/Classroom decorum**: "Free discussion, inquiry, and expression is encouraged in this class. Classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of students to benefit from the instruction is not acceptable. Examples may include routinely entering class late or departing early; use of beepers, cellular telephones' or other electronic devices; repeatedly talking in class without being recognized; talking while others are speaking; or arguing in a way that is crossing the civility line." In the event of a situation where a student legitimately needs to carry a beeper/cellular telephone to class, prior notice and **approval by the instructor** is required. Otherwise, **ALL BEEPERS, CELLULAR TELEPHONES' AND OTHER ELECTRONIC DEVICES ARE TO BE TURNED OFF BEFORE YOU ENTER THE CLASSROOM.**

   Classroom behavior that is deemed inappropriate and cannot be resolved by the student and the faculty member may be referred to the Office of Judicial Affairs for administrative or disciplinary review as per the Code of Student Conduct which may be found at http://WWW.SELU.EDU/Student Affairs/Handbook/.

7. **Academic Integrity**: Students should note that repercussions of academic integrity are discussed in the university catalogue. “Cheating on examinations, plagiarism, improper acknowledgment of sources in essays and the use of a single essay or paper in more than one course without permission are considered very serious offenses and shall be grounds for disciplinary action”. 


The students Southeastern Louisiana University e-mail address **MUST** be used for all e-mail communication between students and faculty/administration/staff. Students are encouraged to check their Southeastern e-mail frequently for important communications from the university.

University policy states that the lab is not a place for children. Students are not to bring their children to the lab.

**Course Requirements:**

1. Adherence to Departmental policies and procedures, a copy of which you were provided.

2. Regular and punctual class attendance. Students who have unexcused absences will receive the grade of zero ("0") for all tests, quizzes, and/or lab experiments missed.

3. Students must provide their own safety glasses or goggles. Glasses or goggles **MUST** meet standard Z87 to be considered “Safety” glasses or goggles. Only those glasses or goggles with Z87 clearly imprinted on them are acceptable. Also, they **MUST** be equipped with side shields, **MUST** be clear and untinted, and **MUST** be in good condition. All forms of eye protection **MUST** be inspected and approved by the instructor prior to their initial use in the lab.

4. Sandals or other forms of “open” footwear are **NOT** permitted in the fluid power lab.

5. Students who are not properly attired or do not possess approved eye protection will **NOT** be allowed in the lab and will receive a grade of zero (0) for the days’ activity. Students must realize that their safety and that of their classmates is most important!

6. Students are to complete lab assignments in a timely fashion. Students are to turn in the study questions of each lab experiment completed by the beginning of the next class period. Students are to begin and end labwork according to the class schedule. Students, who fail to utilize their time effectively, perform incomplete experiments, who begin their work late, who leave the lab early or who submit their experiments late will have their lab grade penalized.
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BIBLIOGRAPHY


