



Southern
Illinois University
Carbondale

SOUTHERN ILLINOIS UNIVERSITY – CARBONDALE
IT 492 SPECIAL PROBLEMS
(Research Paper)
Fall 2008

INSTRUCTOR: Dr. Michael F. Costello

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I. TOPIC:

An application of a technological topic is to be selected by the student and approved by the instructor. Because this paper may find use along with a resume for industrial job application purposes, an industrial or commercial technological application would be best rather than military. It is expected this preparation will take approximately 100 hours.

II. SCHEDULE:

- A. **Sept. 12, 2008**- Date to submit to the instructor, one page with the following.
 - 1. Your name
 - 2. Paper Title
 - 3. Outline of paper content (5-15 item outline).
 - 4. Five (5) references (known sources of information) - minimum (3) periodicals.
- B. **Sept., Oct., Nov., Dec.**- Instructor is available for advisement.
- C. **Dec. 5, 2008** - Submit paper.

III. PAPER SPECIFICATIONS:

- A. Foremost is high quality (reference) information as a technical report.
- B. An average of twelve (12) double-spaced typewritten pages with a minimum of ten (10) pages.
- C. A minimum of (5) references are expected in the bibliography.

D. Assembly of Paper will be:

1. Title Page
 - a. Title, author, course number, date
2. Text (number pages)
3. Bibliography (references)
4. Binding
 - a. Stapled in the upper left hand corner or fasten in a plastic binder.
(Do not put each page in a plastic cover.)

E. Papers will not be returned, suggest you make a copy for you own file.

F. Grading

- | | |
|---|------------|
| 1. Subject content & development | 80% |
| 2. Grammar, punctuation & physical appearance | 10% |
| 3. Conformation to specification | <u>10%</u> |
| 4. Total Grade | 100% |
| a. A \geq 90, B \geq 80, C \geq 70, D \geq 60, F below 60 | |

NOTE: All late submission will have a ten (10) point penalty. The only exception will be for TDY or LEAVE recorded with the SIUC coordinator prior to the due date and made up one week after return from TDY or LEAVE. All incomplete course work will be submitted by 60 day following the last class when all INCOMPLETES will be changed to a grade.

IV. RESOURCES:

A. The latest, up to date information on technological developments will normally be found in periodicals. You may also want to reference textbooks and non-fiction books for background material.

1. Periodical articles are readily referenced by using the following, which are among reference books available in most Public, College, and University libraries.
 - a. Reader's Guide to Periodical Literature
 - b. Business Periodicals Index
 - c. Applied Science & Technical Index
 - d. The New Your Times Index
2. Although technical society publications and other technical magazines may be the preferred source, a number of more available magazines do have article on technical subjects. Examples are:
 - a. Scientific American
 - b. Business Week
 - c. Fortune
 - d. Newsweek
 - e. National Geographic

3. Your Instructor and the ITMP Base Office are other reference sources.

V. TITLE:

A. Samples of Titles used previously:

1. What is NAIT and What Can It Do For Me?
2. Current Job Market For Industrial Technology Graduates.
3. Inspection and Testing of Industrial Lifting Devices.
4. Introduction to CNC Programming.
5. Telecommuting: The New Office Workspace.
6. Space Shuttle: It's Affects on Industrial Technology
7. Quality Control Application in the Photo Processing Industry.
8. Why? Preventive Maintenance of Diesel Engines.
9. Industrial Security.
10. Material Handling Equipment in the Logging Industry.
11. Maintenance Scheduling and Control.