CASPER COLLEGE
COURSE SYLLABUS

COURSE NUMBER & TITLE:  CNTK 2510-01 CONSTRUCTION ESTIMATING

SEMESTER/YEAR:  Spring  2016

LECTURE HOUR:  3       LABORATORY:    CREDITS:  3

CLASS TIME:   6:00 p.m.- 7:15 p.m.      MW     ROOM:   BU 308

INSTRUCTOR’S NAME:   John R. Haass

INSTRUCTOR’S CONTACT INFORMATION:  
Office Location:  None
Office Phone:  259-5228
Email:   john.haass@caspercollege.edu

OFFICE HOURS:   By Appointment

COURSE DESCRIPTION:  A study of the core functions of estimating and job preplanning. Plans and specifications are used for quantity survey. Economics of time, production control, overhead and profit are considered.

STATEMENT OF PREREQUISITES:   None

GOAL:   The course will introduce the student to the field of construction estimating and scheduling in preparation for the field of construction.

OUTCOMES:  
1.   To give the student a basic understanding of the systems used for taking quantity surveys and pricing labor and materials.
2.   To develop an understanding of the responsibilities and relationships within a contractual organization.
3.   To give the student an understanding of the use of computers for construction estimating.
4.   To give the student an understanding of the methods of scheduling a construction project.

METHODOLOGY:   Various methods of presentation will be used including:  lecture, demonstration, videos, discussion and project work.

EVALUATION CRITERIA:  
Tests    50%
Project Assignments 40%
Class participation 10%


CLASS POLICIES:
Make up dates are available only if previously scheduled with the instructor. Participation points will be figured based on class attendance with each class being worth an equal number of points. Grade will be as follows; 
100% - 90% A
80% - 89% B
70% - 79% C
60% - 69% D
59% and lower Fail
Any fractional number will be rounded to the nearest whole number.

_Last Date to Change to Audit Status:_ See current Casper College catalog.
_Last Date to Withdraw With a W Grade:_ See current Casper College catalog.

**STUDENT’S RIGHTS AND RESPONSIBILITIES:** Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

**Chain of Command:** If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head, then the dean, and lastly the vice president for academic affairs.

**Academic Dishonesty – Cheating and Plagiarism:** Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

**Official Means of Communication:** Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

**ADA Accommodations Policy:** If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

**CALENDAR OR SCHEDULE:**

**TOPIC OUTLINE:**

1. Introduction and Methods of Estimating
2. Estimating Mathematics
3. Estimating Excavation
4. Estimating Foundations and Concrete
5. Estimating Masonry
7. Estimating Finishes
8. Estimating Doors, Windows, and Hardware
9. Estimating Plumbing
10. Estimating Heating and Air Conditioning
11. Estimating Electrical
12. Profit and Overhead
13. Computer Applications for Estimating
14. Scheduling Methods
15. Computer Scheduling
16. Estimating and Scheduling Project