Course Syllabus
CNC Computer Applications
CABW 189
2 Credit Hours

Semester: Spring 2013 **Office Location:** 122A Canyon/CRHS Mfg Lab
Instructor: Ben Hamlett **Office Hours:** M-F 1-2pm@CNYN 122 or by appt
E-mail: bhamlett@csi.edu **Office Phone:** (208) 732-6374
Class Time: Tuesday and Thursday from 11:00am-11:50am
Class Location: Canyon 122

Course Description:
Students will learn about CNC Machining from concept to finished project. Students will learn tooling, programming, and practices needed to successfully operate CNC routers. This course is accompanied by a lab for students to follow through with design and develop actual projects.

Required Textbooks and Supplies:
1GB (recommended) Flash Drive to store computer files

Outcomes and Assessment:

Outcomes:
- Students will demonstrate a basic understanding of CNC machine operation by successfully completing projects from concept to finished product.
- Students will demonstrate proper safety while operating equipment and machinery at ALL times.
- Students will integrate skills from other technical courses into projects produced in this course.

Portfolio: Students will keep a notebook containing their notes, assignments, and handouts for reference during the course and future use. The notebook will not be graded, but will be very helpful when working on projects and assignments.

Projects: There will be various hands-on activities to reinforce concepts. Learning by doing and demonstrating is needed to not only know, but accomplish.

Quizzes: There will be quizzes to check for conceptual understanding during the course.

Attendance: Attendance is a very important part of having a job. Class is considered to be your job. If you are unable to attend class please inform the instructor ASAP. Attendance is 10% of your grade.

Topic	Percent of Grade
Projects/Labs	60%
Quizzes/Exams	30%
Attendance	10%
Total	100%

Policies and Procedures:

Students will abide by all rules and policies presented in the student handbook

Attendance policy: It is the student's responsibility to catch up on any missed assignments, projects or lectures.

Late policy: Assignments will be due at the start of class. Late assignments will not be accepted unless prior approval or an emergency.

Plagiarism statement: It is expected that students will not plagiarize any work. This means no copying answers. Students can assist each other, but are expected to do their own work.

Grading Practices:

Grading Scale:

A = > 90
B = 80-90
C = 70-80
D = 60-70
F = <60

It is the <u>student's</u> responsibility to drop the course.

A student may drop a course or all courses prior to the end of late registration (first Friday of the term) without it being recorded on the student's official transcript. A student initiated drop after the late registration period is considered a withdrawal, and results in the grade of W.

(Students may drop courses online until the end of the late registration period. In order to withdraw from one or more courses following late registration, a completed registration form is required. Instructions on the form indicate when a signature of instructor and/or Financial Aid advisor is required. The completed form may be submitted to Admissions & Records or any off-campus center.)

NOTE: *Students may withdraw from courses until 75% of the course meetings have elapsed. No course may be withdrawn from after 75% of the course has elapsed.*

CSI E-mail

*Since email is the primary source of written communication with students, all registered CSI students get a college email account. Student e-mail addresses have the following format: <address>@eaglemail.csi.edu where <address> is a name selected by the student as a part of activating his/her account. Students activate their accounts and check their CSI e-mail online at http://eaglemail.csi.edu. Instructors and various offices send messages to these student accounts. Students must check their **CSI e-mail accounts regularly to avoid** missing important messages and deadlines. At the beginning of each semester free training sessions are offered to students who need help in using their accounts.*

On-line course evaluation statement:

To help instructors continually improve courses, students are strongly encouraged to go online to http://evaluation.csi.edu and complete anonymous evaluations which open two weeks before the end of the course and close the last day of class. When students enter the site, they find evaluations for their enrolled courses. Thank you for this valuable input!

Disabilities:

Any student with a documented disability may be eligible for reasonable accommodations. To determine eligibility and secure services, students should contact Student Disability Services at their first opportunity after registration for a class(es). Student Disability Services is located on the second floor of the Taylor Building on the Twin Falls Campus. 208.732.6260 or e-mail Tara Williams, twilliams@csi.edu.

CSI CAMPUS SECURITY

The College of Southern Idaho is committed to providing safe campuses for all students. Currently in place is an Emergency Notification System (RAVE) that provides information relating to an emergency on any CSI campus. This information is delivered electronically and can be received by all phone numbers and internet-equipped computers identified by the student. Registration is automatic when students register and contact information can be customized online (http://www.csi.edu/alert/) as necessary. The Twin Falls campus is also equipped with an Emergency Warning "Siren" that can be heard outside of buildings across campus. In the event of a signal, students arriving on campus should leave, and others should proceed with caution to avoid the emergency area. Students are encouraged to report any emergency (medical, criminal, behavioral, etc.) that is cause for action. Do this by calling 911 regardless of which campus you are on. If you are on the Twin Falls campus also calling CSI Campus Security at 732-6605 after placing the 911 call (the Twin Falls campus has security personnel available 24/7).

Details:

This course consists of numerous projects to learn functionality of the software and CNC equipment. Students will be using skills drawn from other technical courses to aid in project completion.

There may be projects in this course that will require students to purchase materials.

This course is grouped as CABW 189 and CABW189L. These courses are 2 credits each. 189 is mainly for learning the software and 189L is for lab demonstrations and to get help and schedule machine time.