Course Syllabus Cover Page – Spring 2021

Course Number: NET 1500

Course Title: Circuits & Signals

Course Description:

Fundamental circuits and hardware course. This course explores the components, circuitry, peripherals and software systems required in a computer system.

Prerequisites: MA 1015 (AS-IT majors only) or MA1030 or concurrent registration.

Credit hours: 3

Learning Outcomes:

Upon the successful completion of this course, students will be able to:

1. Define information technology (IT. and describe the components of a personal computer.
2. Describe how to protect self, equipment, and the environment from accidents, damage, and contamination.
3. Perform a step-by-step assembly of a desktop computer and install and navigate an operating system.
4. Explain and perform preventive maintenance.
5. Explain the steps of the troubleshooting process and perform basic troubleshooting.
6. Upgrade or replace components of a laptop, printer, or scanner based on customer needs.
7. Configure computers to attach to an existing network.
8. Implement basic physical and software security principles.
9. Apply good communication skills and professional behavior while working with customers.
10. Assess customer needs, analyze possible configurations, and provide solutions or recommendations for hardware selection.

Instructor Information

Please see Professor Profile at the Blackboard instructional site.

Course Schedule

Please see Course Schedule in the Course Syllabus area of the Blackboard instructional site.

Online Course Policies

All of the online courses taken by students are required to follow the policies posted online at http://online.indianatech.edu/tech-policies/policies/. Please review the posted policies carefully. If you are unable to abide by the policies listed, please contact the Warrior Information Network (WIN) at 888.832.4742 and request to withdraw from this course.

Textbook

This course does not use a textbook; Cisco Networking Academy resources are extensively used.

Grading Events & Grading Criteria

Chapter, Mid-Term, and Final exams for this course are administered through he Cisco Networking Academy.

- **Course Preparation Quiz   2.5 points**
- **Weekly Assignments   50 points**
- **Mid Term 30 points**
- **Final   20 points**

Grading Scale

The following grading scale will be used to assign a grade at the end of the course:

Percentage Achieved	Grade	Percentage Achieved	Grade	Percentage Achieved	Grade
93% or above	A	80% or above	B-	70% or above	C-
90% or above	A-	77% or above	C+	60% or above	D
87% or above	B+	73% or above	C	Below 60%	F
83% or above	B				

Late Assignments

All assignments and required online activities are due according to the deadline listed in the course schedule. Granting deadline extension is the course instructor's autonomy.

Incompletes

If you are unable to complete the requirements for this course due to extenuating circumstances, an Incomplete grade (I) may be granted if you meet the general guidelines stated below.

General Guidelines for submitting a course incomplete request:
- More than 50% of the course session has elapsed.
- The student has encountered an unexpected situation that is beyond his or her control.
- The student is
  - in good academic standing -- up-to-date on all of the course assignments and has at least an overall passing grade,
  - able to complete all of the remaining coursework within a session (5 weeks for a undergraduate course and 6 weeks for a graduate course) that immediately follows the session the student is currently enrolled, and
  - able to provide support documentations to substantiate the need for extra time should a session is not enough to complete the course requirements.

If an Incomplete is granted, the instructor will set a deadline for all work to be completed. **The deadline cannot go past one (1) session.** All incomplete grades and deadlines are subject to approval by the designated university authority.

Course Related Communication

Online courses are conducted in an accelerated format. Timely communication is very important. When receiving emails from your classmates or instructor, please respond as soon as you can.

Students are REQUIRED to use their Indiana Tech email account for all course related communication. The most direct, and effective, way to email your course instructor and classmates, is by using the Send Email function within the Blackboard course site. When you use the Send Email function, you automatically receive a carbon copy of the email you sent. In the event when you need to substantiate your claim that you did email your classmates or instructor, you can show that carbon copy to the person(s) who requested it.

Please note that Blackboard only permits you to send email, it does not provide you with the check email function. All of the emails your classmates and instructor send to you

will be delivered to your Indiana Tech email account. You are strongly encouraged to check your Indiana Tech email account regularly, preferably several times a week, to minimize the likelihood of miscommunication.

The University policy requires each online course instructor to respond to a student's email within 24 hours. Unless there is an extraneous situation that prevents the instructor from following this rule, you can expect to hear from the instructor within 24 hours. If you don't receive a reply within 24 hours, please do not hesitate to follow up with another email or forward the carbon copy of the email you sent to OnlineSupport@IndianaTech.edu with a note "Please help. It's been 24 hours and I have not heard from my instructor" and the University support staff will act on your behalf to contact your course instructor.