North Central State College

MASTER SYLLABUS	2025-2026

A. Academic Division: Engineering Technology, Business & Criminal Justice Division

B. Discipline: Physics

C. Course Number and Title: PHYS1010 Introductory Physics

D. Assistant Dean: Brooke Miller, M.B.A.

E. Credit Hours: 3
Lecture: 2 hours
Laboratory: 3 hours

F. Prerequisites: MATH0084 (minimum grade of C- required)

G. Last Course/Curriculum Revision Date: Fall 2025 Origin date: 05/11/2011

H. Textbook(s) Title:

Conceptual Physics with Modified Mastering Physics Access Card
- Author(s): Hewitt
- Copyright Year: 2022
- Edition: 13th
- ISBN: 9780135745847

I. Workbook(s) and/or Lab Manual: See above

J. Course Description: This course will provide students with a general understanding, knowledge, and awareness of the physical world around them. Topics will introduce the concepts of mechanical, electrical and atomic physics with discussions, lectures, and laboratory experiences related to the principles of mechanics, heat, light, sound, electricity, magnetism, and atomic structure. This course meets the requirements for OTM in Natural Sciences TMNS.

K. College-Wide Learning Outcomes:

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

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SYLLABUS ADDENDUM

Academic Division:	Engineering Technology, Business, and Criminal Justice	**Discipline:**	Accounting
Course Coordinator:	Donna Kittle		
Course Number:	ACCT1010-920	**Course Title:**	Financial Accounting
Semester / Session:	Fall 2025 / Session A & B	**Start / End Date:**	08/11/2025 thru 12/12/2025

Instructor Information

Name:	Donna Kittle	**Credentials:**	MBA CPA
Phone Number:	419-755-4561	**E-Mail Address:**	dkittle@ncstatecollege.edu
Office Location:	Kehoe	**Office Hours:**	T & Th 8:15 – 10:00 a.m. and Th 11:45-1:15 p.m.

I. Topical Timeline / Course Calendar (Subject to Change):

Weeks	Topics	Assignment	Due Date
1	Accounting and the Business Environment	Homework	August 15
2	Recording Business Transactions	Homework	August 22
3	The Adjusting Process	Homework	August 29
4	Completing the Accounting Cycle	Homework	September 12
5	Merchandising Operations	Homework	September 19
6	Merchandise Inventory	Homework and Lab Project	September 26 & October 3
7	Internal Control and Cash	Homework	October 17
8	Receivables	Homework	October 24
9	Plant Assets and Intangibles	Homework and Lab Project	October 31 & November 7
10	Current Liabilities and Payroll	Homework	November 14
11	Long-Term Liabilities	Homework	November 21
12	Financial Statement Analysis	Homework	November 28

II. Grading and Testing Guidelines:

Final Grade Calculation

Activity	Qty	Points	Percentage
Homework	13	205	40%
Lab Projects	3	60	12%
Exams	4	250	48%
Total		515	100%

1. **Topic description #1, #2, #3, and #4**
   a. Apply important concepts on which financial reporting is based.

b. Complete the accounting cycle

2. **Topic description #5, #6, #7 & #8**
   a. Analyze the impact of basic business transactions on the financial statements of a business.
   b. Use the language of accounting and apply the important concepts.

3. **Topic description #9, #10 and #11**
   a. Prepare the financial statements

4. **Topic description #12**
   a. Analysis the financial statements using business ratios

III. Examination Policy:

1. The reasons for which a student will be excused from taking an examination _____
   a. Hospitalization (with documented verification)
   b. Death in the immediate family (with documented verification)
   c. Personal illness or illness in immediate family - (doctor's excuse required).
2. A student who misses an examination for any reason is responsible for _____
   a. Notifying the instructor ahead of time
   b. Communicate any planned absence
3. No makeup opportunity will be given for absences of unscheduled quizzes.

IV. Class Attendance and Homework Make-Up Policy:

1. Class attendance is necessary to acquire the knowledge required to _____
   a. Gain an understanding of the material
   b. Each class builds on the previous class

2. Students are responsible for _____
   a. Keeping up with all assignments when due
   b. Notifying the instructor if a problem arises
   c. Notifying the instructor if they are not understanding the material so we can review it

V. Classroom Expectations:

1. Assignments are due on time.
   a. Assignments are opened at least 4 days before they are due to allow you to budget your time with some assignments open from the beginning of the semester.
   b. Deadlines are enforced. If you have technical difficulty, notify me immediately via email.
      - Many technical issues can be resolved by me from home.
2. Homework needs to be completed to learn the material as well as reading the chapters.
   a. Check your study habits since there is no substitution for hard work.

Outcomes	Assessments – How it is met & When it is met
1. Calculate one or two missing variables, given a problem in one dimension (involving time, position, velocity, and acceleration) of a single object.	Class discussions, homework, labs, quizzes, and exams during the weeks 1-16
2. Use Newton's laws of motion to identify the reaction force, to solve a given problem involving the force interaction of two objects.	Class discussions, homework, labs, quizzes, and exams during the weeks 1-16
3. Use Newton's laws of motion to calculate the missing variables, including force, given a problem involving one mass, with a constant acceleration.	Class discussions, homework, labs, quizzes, and exams during the weeks 3-16
4. Use conservation of energy to solve a problem involving one object with kinetic energy and gravitational potential energy for one unknown variable.	Class discussions, homework, labs, quizzes, and exams during the weeks 4-16
5. Use the law rotational equilibrium to solve a problem involving one rigid body and up to three forces for one unknown variable.	Class discussions, homework, labs, quizzes, and exams during the weeks 5-16
6. Be able to describe the proton, neutron, and electron including where they are located in the atom, and use the definitions of isotope, atomic number, and atomic mass to calculate the number of protons, neutrons, and electrons in an atom.	Class discussions, homework, labs, quizzes, and exams during the weeks 6-16
7. Solve for the indicated variable in problems involving Archimedes' principle.	Class discussions, homework, labs, quizzes, and exams during the weeks 7-16
8. Solve for the pressure, volume, temperature, mass of gas, or amount of gas in ideal gas law problems.	Class discussions, homework, labs, quizzes, and exams during the weeks 8-16
9. Calculate the final temperature of a mixture of two equal size samples of one substance at two temperatures.	Class discussions, homework, labs, quizzes, and exams during the weeks 9-16
10. Solve for one of the variables in a specific heat problem for a single substance.	Class discussions, homework, labs, quizzes, and exams during the weeks 9-16
11. Solve for one of the variables in a thermal expansion problem for a single substance.	Class discussions, homework, labs, quizzes, and exams during the weeks 9-16
12. Solve for the heat necessary to produce one to two phase changes for a single substance.	Class discussions, homework, labs, quizzes, and exams during the weeks 10-16
13. Calculate the period or frequency given the other for a vibrating object or wave.	Class discussions, homework, labs, quizzes, and exams during the weeks 11-16
14. Calculate the frequency, wavelength, or velocity given the others for a wave.	Class discussions, homework, labs, quizzes, and exams during the weeks 11-16
15. Calculate the frequency of the beats produced by two given frequencies of sound.	Class discussions, homework, labs, quizzes, and exams during the weeks 12-16
16. Solve an electrostatics problem using Coulomb's Law.	Class discussions, homework, labs, quizzes, and exams during the weeks 13-16
17. Solve for the equivalent resistance for up to three resistors in a series or parallel electric current.	Class discussions, homework, labs, quizzes, and exams during the weeks 14-16
18. Determine the direction of the magnetic field around a current carrying wire.	Class discussions, homework, labs, quizzes, and exams during the weeks 15-16
19. Solve for the direction of the force on a moving charge in a magnetic field.	Class discussions, homework, labs, quizzes, and exams during the weeks 15-16

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior

90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70-72	C-	1.67	Below Average
67–69	D+	1.33	Below Average
63-66	D	1.00	Below Average
60-62	D-	0.67	Poor
00-59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences. Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

Important information regarding College Procedures and Policies can be found on the syllabus supplement located at https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf