Welcome to General Physics I. Carefully read this Course Schedule to learn more about what you can expect from this course and instructor and what is expected from you.

Course Schedule Navigation

Instructor

Name: Michelle Baltz-Knorr
Email: michelle.baltz-knorr@indstate.edu
Office Location: Science 165L
Office Phone: (812) 237-2039

Dedicated Student Meeting Hours: M 2:00-3:00pm, W 10:00-11:00 am in room 165, or by appointment

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Course Introduction

Course: PHYS 106L-001; General Physics II Laboratory
Location: Science Building, Room 109
Time: Wednesdays, 2:00-3:50 pm; in person
Credit Hours: 1

What is Physics Lab?

Physics 106 and its laboratory component, Physics 106L, constitute the second semester of General Physics, an algebra-based introductory physics course where you will study electricity and magnetism. The purpose of the physics laboratory is to provide hands-on experience of the concepts you will learn in the lecture to help you better understand these concepts. It is also intended to teach you techniques of measurement and data analysis. In this course, you will cover many topics that should improve your proficiency in your major and increase your knowledge of the world around you. This course is designed to help you develop your problem solving and critical thinking skills. In addition, you will gain experience writing scientific lab reports. These are fundamental skills that you will need in the future, regardless of whether you pursue a career in health sciences, technology, etc. The most important thing you can do to prepare yourself for lab is to read

the experiment before class each week. You will often see concepts in the lab before you see them in the course. Your textbook from the lecture will be a very useful reference for this course.

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Prerequisites

This is the laboratory for an algebra-based physics course. You are expected to be familiar with using variables, manipulating algebraic expressions and equations, and basic trigonometric functions. Some necessary concepts will be reviewed briefly, but if you have further issues, I encourage you to seek help from the Math Lab.

Formally, this requirement means you have passed PHYS 105 and PHYS 105L.

This course must be taken concurrently with PHYS 106.

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Learning Objectives

Quantitative Literacy Learning Objectives (QLLO)

PHYS 106 and 106L meets the Foundational Studies Lab Science/Quantitative Literacy (as appropriate) Learning Objectives. In order for it to occur, this course must meet the following **QLLO:**

1. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words, geometric figures), including appropriate critique of the information or conclusions provided.
2. Convert relevant quantitative information into various mathematical forms (e.g., equations, graphs, diagrams, tables, words, geometric figures) and carry out mathematical procedures and processes fluently and accurately.
3. Make judgments and draw appropriate conclusions based on a quantitative analysis, while recognizing and describing the limits of this analysis.
4. Make and evaluate important assumptions in estimation, modeling, and data analysis.
5. Communicate the results of a quantitative argument, citing the representation of the math problem, explanation of the solution, and the interpretation of the solution.

Skill and Applied Learning Objectives (SALO)

PHYS 106 and 106L will satisfy the Quantitative Literacy category for Foundational Studies. In order for it to occur, this course must meet the following **SALO:**

1. Students develop critical thinking skills
2. Students develop information literacy skills
3. Students submit graded writing assignments

Course Learning Objectives

- Successfully conduct physics experiments and make measurements using given laboratory equipment.
- Identify specific sources of error that affect a measured or calculated value and evaluate the significance of each source of error.
- Develop a working knowledge of Excel to create well-organized tables and graphs of experimental results.

- Identify the SI base units, convert derived units into base units, build derived units from the base units and use units as an aid when problem solving.
- Identify needed equations and manipulate these equations to solve for unknown quantities.
- Perform graphical analysis on experimental results.
- Correlate concepts covered in the physics lecture (such as voltage, current, resistance, magnetic field) with physical interpretations of those concepts.
- Apply physics concepts to the interpretation of experimental results
- Read and follow technical directions for an experiment.
- Communicate results of experiments and data analysis through written lab reports.

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Career Readiness

Here's how this course will help you in various career competencies:

- *Critical Thinking/Problem Solving*: applying a small set of concepts to a variety of problems, which have solutions that require multiple steps, and will likely require multiple attempts to solve
- *Oral/Written Communications*: discussing and debating your approach to the laboratory with your partner, clearly describing your methods and results in your reports
- *Teamwork/Collaboration*: Working with your lab partner

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Textbooks and Course Materials

- ISU Physics 106 Laboratory Manual (bright red cover) (required)
- Free **textbook**: We are using OpenStax College Physics. This is a free textbook, although you can purchase a printed copy from the ISU bookstore if you want. There is a pdf version you can download, but you can also use the web version. (required)
- Microsoft Office (free ISU download) (required)
- Capstone by Pasco ($1 download or free 30 day trial) (required in the event of a move to virtual/online format)

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Communication Policies

Be polite and courteous to your instructor and your classmates. Treat others with the same respect that you would like to be shown. Language that is offensive or derogatory is prohibited and may result in ejection from the lab and a grade of zero on the current experiment. A zero grade for such language/behavior will not be one that you can drop at the end of the semester.

Email is my preferred method of communication, but you are always welcome to stop by my office, call me or we can set up a meeting in person or using Zoom. **I will only use and respond to ISU email addresses** in order to ensure confidentiality for my students as per the Indiana State University Policy Library. Please do not use abbreviations in your emails that you use when texting. I have a master's degree in Molecular Biophysics and you may address me as Ms. Baltz-Knorr, Ms. Baltz, Mrs. Knorr, or Ms. Michelle. Please let me know if

you prefer to be addressed by a name other than the one listed on the official class roster (for example, if you use your middle name).

I typically check email several times a day on weekdays and will try to respond to all emails within one business day but will certainly respond within two business days. If you do not receive a response within two business days, please call me to make sure I have received your email. Notice that I do not have "sycamores" in my email address. I do not check email in the evenings or on weekends. If you email me over the weekend, I will try to respond to your email Monday morning but will respond by Tuesday morning at the latest. If you call and I am not in, please leave me a message. I will call you back or send you an email within one business day. Please work on your lab reports as soon as possible after your lab to ensure that you will have lots of time to contact me if you have questions. Do not wait until the night before your lab report is due or the day it is due to start working on it. Please check your email every business day (M-F) to be sure you do not miss updates or messages from me.

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Getting Help

Your progress is important to me. This course will challenge you, but you aren't in it alone. I'm here to help! Please do not hesitate to ask questions during class, come talk with me during office hours, email, call or set up an appointment.

Dedicated Student Meeting Hours:

I have dedicated student meeting hours on Mondays from 2-3 pm and on Wednesdays from 10-11 am. These will be held in room 165 in the Science Building. These are times that I have set aside to be available for students from my classes. I use this time to answer questions, provide clarification and guidance, explain concepts, etc. Students are not required to attend these hours. Students are welcome to come and go during these hours and do not need to be present the entire time. Students may come in individually, with their lab partner, or with other students. Please do not hesitate to ask me lots of questions, both in class and outside of class.

In order for me to successfully assist you, it is important that you have tried each calculation/question prior to asking for assistance. I typically like to work with one student at a time so you may have to wait for me to finish with a student before I help you. If you are not able to attend my dedicated student meeting hours at the given times, you are welcome to stop by my office and see if I am in or we can arrange a time by appointment. Arranged meeting times can be in person or virtual using Zoom. I do not offer student meeting hours or appointments in the evenings or on weekends.

Science Help Center:

Additional help is available from the physics tutors in the Science Help Center, located in room 115 in the Science building. The Science Help Center is a free resource that is open to anyone talking physics and chemistry courses. Schedules of hours when tutoring is available are posted in the room, on the bulletin board in the hallway outside the room, outside the lab, on the department website and on the course Canvas site. The Science

Help Center opens the second week of classes in a semester. Students seeking assistance can walk in during hours when tutors are present and take a seat at the table. No appointment is needed. The Science Help Center is not a one-on-one tutoring session. We will assist any student who comes in and tutors often work with students from different classes all at the same time. The amount of assistance that a student receives will depend on how busy the Help Center is at that time. Please note that tutors will not help with questions relating to sources of error or uncertainties. Please see your instructor with those questions.

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Course Structure

Experiments and Lab Reports:

During the semester you will perform 13 lab experiments, doing one every week. You will work with a partner and you will switch partners each week. You may **not** work with the same person twice. I reserve the right to make students work individually. Every team of students is required to write a lab report on each lab experiment performed. I reserve the right to make students write individual lab reports. The report must be typed (except for calculations) using the lab report template found in the weekly Canvas module. This report is due **at the beginning** of the next lab session. Each lab report is worth 50 points. You cannot turn in a lab report for an experiment that you have not performed in the lab.

All lab reports must follow the Physics 106 Lab Report Format. Details about this format including information about what goes into each section of the lab report can be found in the Lab Report Format document in the General Course Information module of the Canvas course site. Failure to follow this format will cause you to lose points on your lab report. Be sure to put units on all of your answers and also to carry units through your calculations. **If you do not include units in your work, you will lose points.** Be sure to label all of your graph axes and include units. **Anyone caught practicing unsafe laboratory behavior will be ejected from the lab and receive a grade of zero for the current experiment. A zero grade for unsafe laboratory behavior will NOT be one that you can drop at the end of the semester. (QLLO 1, 2, 3, 4, 5; SALO 1, 2, 3)**

Lab Quizzes:

You are expected to read through the experiment for a given week **before** you come to class. You may not understand everything, but reading the lab manual will help to familiarize you with what you will be doing during the experiment. You will be given questions to answer based on your reading of the lab **and** on **units and** activities related to the previous laboratory experiment and report. The quiz will take place right at the beginning of class. You will have 10 minutes to complete the quiz. Time is up when all students have finished or 10 minutes has elapsed, whichever comes first. If you enter the class after this, you have missed the quiz and will receive a zero for that quiz. **Do not be late to class.** Each quiz is worth 10 points. **(QLLO 1, 2, 3, 4; SALO 1, 2, 3)**

Lab quizzes will cover topics such as: the overall purpose of the experiment, what quantities you will be measuring or calculating, what measuring tools you will be using, units, and important concepts from the previous experiment.

Socratic Method:

I use the Socratic Method when I teach. This is one of the best methods to help students develop their critical thinking and reasoning skills. This technique involves asking students questions, rather than giving answers. This technique helps students learn to pursue answers in a methodical way by teaching students the process of how to think about things in a critical way. Students are not a passive recipient of knowledge but an integral part of learning and applying knowledge. My questions help me gauge what a student knows so I can help draw out knowledge from my students, which allows students to analyze information and find and assess answers for themselves. This is a method that shows students how to think, not what to think.

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Grades

Your success is important to me, and I will do my best to support you in your learning journey. However, keep in mind that *you* have the major responsibility for your learning, which means you *earn* the grade you receive based on your performance. While grades are non-negotiable, if you spot a discrepancy in Grades, please inform me as soon as possible. No late assignments will be accepted. Your grade will be determined based on the number of points you earn. Lab Reports are worth 50 points each and Lab Quizzes are worth 10 points each. You will get quizzes back the following lab session. I will not grade lab reports until I have all of them. Therefore, you will get graded lab reports back one week after the submission deadline. If you do not submit your work (whether it is a quiz or a lab report) you will receive a grade of zero for that particular assignment. Be sure to check for my feedback on your work throughout the semester.

At the end of the semester, I will drop your lowest Lab Report score and your lowest Lab Quiz score (**these cannot be from either of the last two experiments or from an experiment where you were removed from the lab**). Your final grade will be determined by the total of your Lab Report and Lab Quiz scores after dropping the lowest Lab Report score and the lowest Lab Quiz score. There are 720 points possible in the course (600 from lab reports and 120 from quizzes) after dropping your lowest scores.

Lab Reports account for ~83%, and Lab Quizzes for ~17% of your grade. All grades will be recorded in Canvas.

The following scale will be used to determine grades in this course:

Grading Scale

A+	**99-100%**	**C+**	**77-79%**
A	**93-98%**	**C**	**73-76%**
A-	**90-92%**	**C-**	**70-72%**
B+	**87-89%**	**D+**	**67-69%**
B	**83-86%**	**D**	**63-66%**
B-	**80-82%**	**D-**	**60-62%**
		F	**0-59%**

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Attendance

You need to attend the lab class each week and be on time for class. Your time in the lab must be spent working on the lab experiment and writing your lab report. I will be making a chart each week of where each student sat. Your seat will change each week as you change partners. Please email me as soon as possible if you know you are going to miss a lab class.

There will be no make-up labs, no make-up quizzes, and you may not drop either of the last two Lab Reports or Lab Quizzes. If you miss a day of class, you will receive a grade of zero for the Lab Report and Lab Quiz from that day. However, those will be the scores that I drop for you at the end of the semester. If you miss more than one lab, you will receive a grade of zero for the additional Lab Reports and Lab Quizzes missed and those grades will count. I strongly suggest that you try to attend every lab session. Please do not skip one just because you get to drop one. You never know what may happen later in the semester that will force you to miss an assignment.

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Technology Policies

Calculator Policy:

Students may NOT use a calculator in the lab for quizzes or lab report calculations unless a calculator has been provided by the instructor. If you need to calculate a value, you will use Excel for that purpose. Calculations must be written out by hand as indicated in the lab manual, but the actual calculation will typically be done in Excel.

Laptop Policy

Students must use the lab computers to take data using the Graphical Analysis Pro software and Vernier sensors and to record data in Excel or Word. This data will then be shared with each partner (by email, file sharing or using USB drives). Students may use their own laptops to work on discussion questions and write their individual lab reports after data collection is completed. All students will need to install the Graphical Analysis Pro software from Vernier on their laptops.

Cell Phones, Smart Watches and Headphones Policy:

Cell phones and/or smartwatches are not to be used during class for talking, texting, etc. You should either turn your phone off or set it to vibrate. Put your cell phone and/or smart watch in your bag or in your pocket. I do not want to see either of them. Not adhering to this policy will result in a 5 points penalty on your lab report **per violation**. Students may not wear headphones or ear buds during the lab as this is a safety hazard. All bags/backpacks and other belongings must be placed in the compartments at the back of the room, not on the floor.

No food or drinks are permitted in the lab. In addition, no tobacco use of any kind is permitted in the classroom, including electronic cigarettes.

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Tech Requirements:

As a student in this course, you are expected to have basic computer skills, take responsibility for using appropriate hardware and software, and have a general understanding of how to use Canvas, Microsoft Word, and Microsoft Excel. Technical problems will not serve as a valid excuse for a missed or late assignment. Please read the

Background section of Experiment 1: Coulomb's Law in the lab manual if you have questions about using Excel.
For this course, you will need access to a reliable computer with high-speed internet access. You can check your internet speed using the instructions on the Testing Your Home Network page. Your computer should also meet Indiana State's Laptop MINIMUM Hardware Specifications.
For additional technology requirements, computer skills, recommended software, privacy policies, accessibility statements, and free software information, please visit Indiana State Technology Support and Requirements.

Tech Support:

You can access **Canvas Tech Support** through the HELP button in the Canvas global navigation. Start with the Canvas Support Center or Canvas Student Guide for quick tutorials on various Canvas features. Within the Canvas Support Center menu you will also find email and call options to get personal help for your questions about Canvas. Otherwise, the Office of Information Technology (OIT) offers many resources to assist with your technology needs. You can use the **OIT Service Desk TDX** app located on the MyISU Portal or use the OIT Service Portal. Here you have direct access to the OIT **Knowledge Base** with up-to-date information about common errors, problems, and issues within Canvas and other supported technologies. Think of this as an FAQ resource.
For other technology support, please contact the Office of Information Technology (it-help@indstate.edu or 812-237-2910) or visit the Help Desk in the basement of Stalker Hall.
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Academic Integrity

The Sycamore Standard:

Indiana State University Students at Indiana State University are expected to accept certain personal responsibilities that constitute the "standard" for behavior in a community of scholars.
As a student at Indiana State University: I will practice personal and academic integrity; I will commit my energies to the pursuit of truth, learning, and scholarship; I will foster an environment conducive to the personal and academic accomplishment of all students; I will avoid activities that promote bigotry or intolerance; I will choose associations and define my relationships with others based on respect for individual rights and human dignity; I will conduct my life as a student in a manner that brings honor to me and to the University Community; I will discourage actions or behaviors by others that are contrary to these standards.

Code of Student Conduct:

The ISU Code of Student Conduct applies to all work done in this class. You may talk with other students in the class, but all data, calculations and answers to discussion questions in your report must be the work of the team. Academic Integrity is a core value of our community of learners. Every member of the academic community (students, faculty, and staff) is expected to maintain high standards of integrity in all facets of work and study. Academic dishonesty is not tolerated at Indiana State. The penalties can be severe and include: failing the assignment, failing the course, and referral to Student Conduct and Integrity to face formal conduct charges. Students found in violation may be suspended or

expelled and can have a permanent notation affixed to their official transcript indicating that an academic integrity violation occurred. First time offenses (depending on the severity of the offense) typically result in all points being lost in the section of the lab report where the offense occurs (this is typically anywhere from 10-25 points out of 50). Second time offenses typically result in a zero on the assignment. Student Support and Accountability will be notified of all offenses. A zero on an assignment due to academic integrity issues cannot be the grade dropped at the end of the semester.

The following behaviors are *some* **examples of academic dishonesty**:

- Cheating (e.g. use of cheat sheets, unauthorized material, resources, or people etc.)
- Obtaining a copy of a test before it is given
- Working together with other individuals without the consent of the instructor to complete course work, such as exams, projects, and papers
- Copying (with or without another person's knowledge) and claiming it as one's own work
- Doing assignments for someone else
- Paraphrasing a source without citing the source
- Copying and pasting text from a source without quotations and citation of source

Generative Artificial Intelligence:

The purpose of writing lab reports is to help you learn to analyze and present data from an experiment. In the process of writing and analysis, you will be forced to confront the gaps in your understanding and improve upon them.

Repurposing written work from outside sources or resorting to generative artificial intelligence undermines this learning process and constitutes academic dishonesty.

References:

In order to avoid academic integrity issues, you must cite any reference that you use when writing your lab report. You may **not** use direct quotes. You need to put things in your own words to show that you understand the concepts. Your textbook from the lecture (not a webpage) should be the first reference you reach for after your lab manual. If you do use a webpage, be sure it is a reputable source. Wikipedia is not an acceptable reference in this course. A source such as Hyperphysics is more relevant. Formats for references are given below.

Book:

Rindler, William *Essential Relativity*. New York: Van Nostrand Reinhold, 1969. 53-54.

Web page:

http://hyperphysics.phy-astr.gsu.edu/hbase/HFrame.html (Standing Waves, 2022)

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Health and Safety

After you enter the lab, please put your belongings in a compartment in the back of the room and then find a station. Please pay attention to any mats on the floor and avoid stepping on these. Cleaning wipes will be available in the back of the room. Students are welcome to clean the surfaces of the tables/keyboards/equipment that they will be using. Please do not clean the monitors.

If you are not feeling well, please wear a mask. You will be in close contact with your lab partner for almost two hours. If you would like a mask, I would be happy to provide you with

one. If you have symptoms consistent with COVID-19, or are under quarantine for COVID-19, or have another documented serious medical issue, you must contact the Office of the Dean of Students.
You may also call: 812-237-3829.
Please take care of yourself. College can be an exciting but also hectic and challenging time for students. Do your best to maintain a healthy lifestyle during the semester by getting enough sleep, eating well, being active, avoiding drugs and alcohol, and taking time to relax. This can help you cope with stress.
We all benefit from support during times of struggle. As a student, you may experience a range of challenges that can interfere with learning, such as increased anxiety, relationship issues, homesickness, substance use, feeling down, medical issues, difficulty concentrating and/or lack of motivation. There are many resources available to support your well-being at ISU. Asking for help is not a sign of weakness. It is actually a strength.
The Student Counseling Center (SCC) on campus provides counseling services to all ISU students that allow them to improve and maintain their mental well-being and therefore to meet their educational, personal, emotional, and psychological goals. The SCC is located on the 2nd floor of Gillum Hall at 217 North 6th Street. You can call them at 812-237-3939.
TimelyCare - Free 24/7 Virtual Care from Anywhere
Indiana State University is now partnered with TimelyCare to deliver a new virtual health and well-being platform for students. This service is in addition to the in-person counseling services offered in the Student Counseling Center, 2nd floor Gillum Hall. The service provides 24/7 access to virtual care at no cost! Take advantage of the TimelyCare services when you feel stressed or overwhelmed.

How can students access TimelyCare?
Students can go to the Student Counseling Center website and use the QR code to access this care. In addition, students can go to https://app.timelycare.com/auth/login or directly download the TimelyCare app from the app store and register with their school email address by clicking the "Get registered" link. It is important that students register in advance on the platform. Students can then start visits from any web-enabled device – smartphone, tablet, laptop, or desktop –
anywhere in the United States.

Who can use TimelyCare?
Any enrolled student.

What services are available?
• TalkNow - 24/7, on-demand emotional support.
• Scheduled Counseling - Select the day, time, and mental health provider of your choice.
• Self-Care Content - 24/7 access to self-care tools and resources, such as meditation and yoga sessions, helpful videos, and short articles from experts.

How much does a visit cost?
TimelyCare services are available at no cost to students.

The Psychology Clinic is a training facility for doctoral students in clinical psychology to receive supervised training from licensed faculty and staff. It is open for telehealth therapy appointments, in-person therapy appointments and in-person assessments. They are located in Root Hall at 424 North 7th Street. You can call them at 812-237-3317.
The Norma and William Grosjean Counseling Clinic provides an array of counseling services to children, adolescents, adults, and families. Services are provided by the graduate students in the Clinical Mental Health Counseling Program, under the supervision of licensed practitioners. It is the clinic's mission to provide caring, competent, and effective services to the community. Anyone dealing with anxiety and stress, depression, divorce, parenting issues, grief and loss, school problems, substance abuse, or eating disorders could contact the clinic for an appointment. They are located in University Hall at 401 North 7th Street. You can call them at 812-237-2800.
Sycamore Support is a campus-wide program that cares for students and helps students in distress. The Office of the Dean of Students collaborates with all Indiana State University departments to create a caring culture at Indiana State. Family members, fellow students, faculty, staff, and employers can make a referral to Sycamore Support. Anonymous referrals are accepted and students may refer themselves too. You can make a referral through the **Sycamore Support Referral Form**, emailing ISU-DeanOfStudents@mail.indstate.edu, or by calling **812-237-3829.**
If you or someone you know is feeling suicidal or in danger of self-harm, please call someone immediately:
Student Counseling Center: 812-237-3939
988 Suicide and Crisis Lifeline: 988 (call or text)
National Suicide Prevention Lifeline: 800-273-8255
Crisis Text line: text START to 741741 for 24/7 crisis counseling
If the situation is life threatening, call the ISU Police at 812-237-5555 or dial 911.
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Accessibility

Indiana State University recognizes that students with disabilities may have special needs that must be met to give them equal access to college programs and facilities. If you need course adaptations or accommodations because of a disability, please contact us as soon as possible in a confidential setting either after class or in my office. All conversations regarding your disability will be kept in strict confidence. Indiana State's Accessibility and Advocacy Resources Office coordinates services for students with disabilities: documentation of a disability needs to be on file in that office before any accommodation can be provided. The Accessibility and Advocacy Resources Office is located at HMSU roo 816. They can be contacted at 812-237-3829or isu-AARO@indstate.edu. Appointments to discuss accommodation with the Accessibility Resources Office staff are encouraged. Once a faculty member is notified by the Accessibility Resources Office that a student is qualified to receive academic accommodations, a faculty member is obligated to provide or allow a reasonable classroom accommodation under ADA.
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Statement on Non-Discrimination, Harassment, and Sexual Misconduct

Indiana State University is committed to inclusive excellence. To further this goal, the university does not tolerate discrimination in its programs or activities on the basis of: race, color, national origin, gender, age, sexual orientation, gender identity or expression, disability, veteran status, or any other protected class. Title IX of the Educational Amendments of 1972 in particular prohibits discrimination based on sex in any educational institution that receives federal funding. This includes sexual violence, sexual misconduct, sexual harassment, dating violence, domestic violence, and stalking. If you witness or experience any form of the above discrimination, you are asked to report the incident immediately to Public Safety: 812-237-5555 or to The Office of Equal Opportunity & Title IX: 812-237-8954.

With respect to sexual discrimination, instructors, faculty, and some staff are required by law and institutional policy to report what you share with them to The Office of Equal Opportunity & Title IX. You do, however, have the option of sharing your information with the following confidential resources on campus:

- Student Counseling Center: 812-237-3939; Gillum Hall, 2nd Floor
- Victim Advocate: 812-237-3849 or 812-243-7272; HMSU 8th Floor

For more information about discrimination and the support resources available to you visit the Office of Equal Opportunity and Title IX website. Please direct any questions or concerns to: Associate Vice President for Inclusive Excellence and Title IX Coordinator; 812-237-8954; Rankin Hall 426; ISU-equalopportunity-titleix@indstate.edu.

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Academic Freedom

Indiana State subscribes to the American Association of University Professors' guidelines for academic freedom and faculty duties and responsibilities as described on their website. Here is an excerpt from the site:

Teachers are entitled to freedom in the classroom in discussing their subject, but they should be careful not to introduce into their teaching controversial matter which has no relation to their subject....As scholars and educational officers, they should remember that the public may judge their profession and their institution by their utterances. Hence, they should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that they are not speaking for the institution.

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Institution Add/Drop Dates

Add/Drop Dates can be found on the registrar's website.

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Disclaimer

In order to meet student and course needs, I reserve the right to make changes to the syllabus, schedule, course content, assignments, and course delivery techniques. All changes will be communicated to students as soon as possible via course announcements and/or email.

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List of Experiments

Week Number	Experiment Title	Date Performed
1	Experiment 0: Getting Started (Review syllabus & policies; download software)	08/20
2	Experiment 1: Coulomb's Law	08/27
3	Experiment 2: Mapping Equipotentials and Electric Fields	09/03
4	Experiment 3: The Parallel Plate Capacitor	09/10
5	Experiment 4: Basic Circuits and Oscilloscope Usage	09/17
6	Experiment 5: Reistance	09/24
7	Experiment 6: Resistors in Series and in Parallel	10/01
8	Experiment 7: Magnetic Fields and the Electric Motor	10/08
9	Experiment 8: Transformers	10/15
10	Experiment 9: The RLC Circuit	10/22
11	Experiment 10: Reflection and Refraction	10/29
12	Experiment 11: Thin Lenses	11/05
13	Experiment 12: Interference and Diffraction of Light	11/12
14	Experiment 13: Atomic Spectra	11/19