

Course Title: IPHYS101

Physics: Kinematics and Dynamics

1. Kinematics: Describing motion without reference to forces.

- Position, displacement, velocity, acceleration.
- Equations of motion for constant acceleration.

2. Dynamics: Relating forces to motion.

- Newton's laws of motion.
- Free-body diagrams.

3. Energy and Work: Conservation of energy.

- Work, power, kinetic energy, potential energy.
- Conservation of mechanical energy.

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Course Student Learning Outcomes:

By the end of the course students will be able to:

1. Develop rehabilitation recommendations based on a holistic perspective of health care.

Are any special course fees associated with this course? Yes No

If yes, explain the need for fees:

Note: All fees are subject to approval by institution and/or USG BOR prior to implementation.

What additional resources are needed to teach this course? Check all that apply:

- Faculty
- Equipment
- Technology
- Space
- Library Resources

MIDDLE GEORGIA STATE UNIVERSITY
School of Health Sciences
Bachelor of Science in Rehabilitation Science

COURSE SYLLABUS

Course Title: Physical Illness and Disease

Course Prefix & CRN: RHAB 4000

Credit Hours: 3-0-3

Prerequisites: (Pre-req: RHAB 3000)

Class Location: 104 Dillard Hall, Cochran campus
This is a web enhanced course.

Class Days/Hours:

Faculty:

Office Hours:

Revision Date: January 2018

Required Texts, Resources, and Supplies:

Course Description:

This course is intended for the Rehabilitation Science major. It is a survey of disabilities, illnesses, and medical conditions across the lifespan. Emphasis is placed on the signs, symptoms, assessments, treatments,

and preventative techniques associated with specific illnesses and medical conditions. In addition, course content will also focus on current information provided by the most recent Healthy People data.

Course Texts

Required:

Thompson, C. (2015). *Prevention Practice and Health Promotion: A Health Care Professional's Guide to Health, Fitness, and Wellness (2nd edition)*. New Jersey: Slack

5. develop prevention strategies for musculoskeletal conditions, cardiovascular conditions, neurological

...with internet access and Microsoft Office software.

Access Policy: It is expected that all students either own or have unlimited access to a computer with internet access and Microsoft Office software.

All assignments

...dropped from the course for exceeding 4 absences.

Class

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Student Code of Conduct

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Accommodations

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on at (478) 471-2985 or in Cochran at (478) 932-5025.

Office of Disability

CHS 3000

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...through live services.

Student is required to sign up for

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