[redacted]

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

☑ Library Resources

Provide description of and justification for new resources:

Because this is a new course within a new degree program, additional library resources will be needed to support undergraduate research and facilitate learning. New faculty will be needed to prevent existing faculty course overloads.

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

COURSE SYLLABUS

Course Title: Applied Anatomy and Kinesiology

Course Prefix & CRN: RHAB 3100

Credit Hours: 3-0-3

Prerequisites:

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:

Biel, A. (2015). *Trail Guide to Movement Building the Body in Motion (1st edition),* Colorado: Books of Discovery

Course Description:

Basic physical concepts as they apply to human movement are explored. Structural anatomy, neuromuscular physiology, and biomechanical principles as they apply to human movement are emphasized.

Course Objectives:

By the end of the course the student should be able to:

7. Describe the three joint structure types in the body

9. Describe the relationship of muscles, tendons, bones and a body part in the production of movement

10. List and describe the functions and properties of muscle tissue

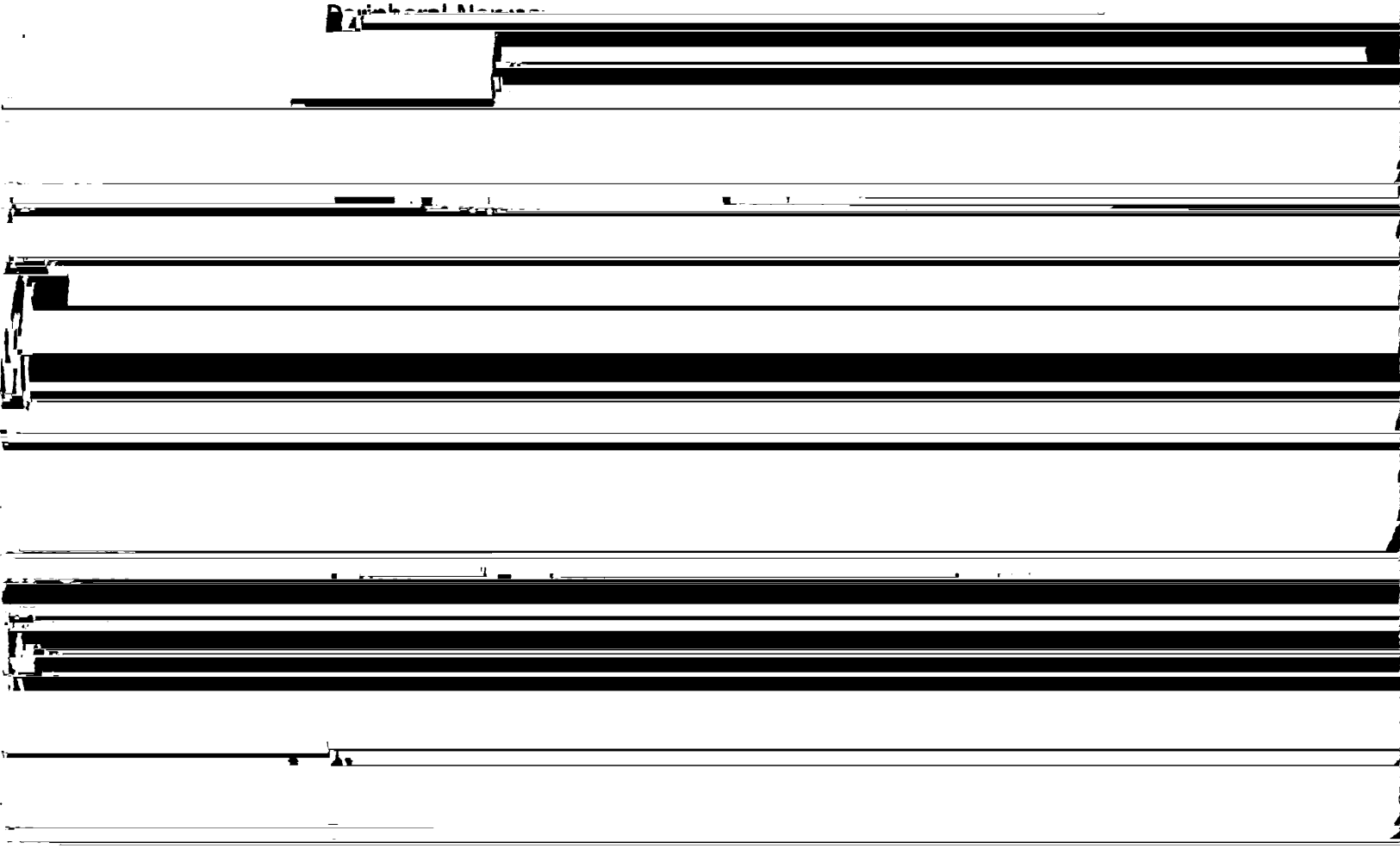
11. Name and define the three types of muscle contractions
12. Name and describe the major roles of muscles
13. Compare the different functions of the CNS and the PNS
14. Describe the role of proprioception in muscle function

15. Define and contrast statics and dynamics

- Roles of Muscles

5. Nerves

- Nerves and Muscles
- Neurons
- Peripheral Nerves



6. Biomechanics

- Basics of Biomechanics
- Gravity
- Laws of Motion
- Force
- Torque
- Levers

7. Posture

- Posture and Gait
- Standing Posture
- Role of Soft Tissues
- Postural Supporters
- Stability Dysfunction
- Postural Distortions

8. Gait

- Stance and Swing Phases
- Gait and the Hips
- Muscle Activity During Gait

of Conduct

their assignments

Please visit http://www.mga.edu/police/ca...us-carry.aspx for more information.