



Cooper Medical School of Rowan University

**Cooper Medical School of Rowan University
MEDacademy Masters 2023
July 17 through July 28, 2023
Monday through Friday**

Course Contacts:

Academic Director:

Guy Hewlett, MD

Program Director:

Kristyn Kent, JD

Purpose of the Syllabus:

This syllabus is provided as a guide for your participation in MEDacademy Masters 2023. Successful completion of MEDacademy Master's will result in the awarding of 2 undergraduate credits, which can be applied to the Biology major at Rowan University (if you have successfully completed MEDacademy I) or as an elective for other majors at Rowan University. Successful completion will be defined as a grade of C or better (2.0 on a 4.0 scale) on the final examination.

MEDacademy Masters Overview:

MEDacademy Masters will introduce students to the concept of allopathic medicine and human anatomy via didactic sessions that focus on upper and lower extremities, back, thorax and abdomen. MEDacademy Masters will give students the opportunity to explore anatomy via participation in dissection/prosections. Additionally, students will learn about patient presentation and common clinical concerns. Students will be expected to demonstrate an interest in medicine, work independently and prepare for assignments.

Diversity Statement:

It is our intention that students from all backgrounds and perspectives will be well-served by this course and that the diversity that students bring to this class will be viewed as an asset. We welcome individuals of all ages, backgrounds, beliefs, ethnicities, genders, gender identities, gender expressions, national origins, religious affiliations, sexual orientations, socioeconomic backgrounds, family education levels, abilities-- and other visible and nonvisible differences. All members of this class are expected to contribute to a respectful, welcoming and inclusive environment for every member of the class. Your suggestions are encouraged and appreciated.

Course Objectives:

Upon completion of this program, MEDacademy Students will:

- Gain an understanding of the human anatomy in the upper and lower extremities, abdomen, thorax and back.

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- Recall knowledge and place in the context of previous learning.
- Apply that knowledge in front of peers in active learning groups (ALGs).
- Respond to peers in a group problem-solving situation.
- Learn about different health care professions.

Course Content & Outline:

- ***Week 1: Upper Limbs and Back***
 - Bones of the upper limb
 - Action terminology
 - Shoulder muscles
 - Scapulo-humeral muscles
 - Arm muscles
 - Forearm muscles
 - Anatomical Snuff Box
 - Trapezius
 - Latissimus Dorsi
 - Levator Scapulae
 - Rhomboid Major and Minor
 - Serratus Posterior Inferior
 - Serratus Posterior Superior
 - Splenius Capitis
 - Splenius Cervicis
 - Erector Spinae Muscle Group
- ***Week 2: Lower Extremities, Abdomen and Thorax***
 - Gluteal Region
 - Thigh
 - Leg
 - Knee
 - Thorax Structure & Function
 - Lung Structure & Function
 - Heart
 - Structure & Function
 - Blood flow
 - Electrical conduction
 - Bones of the abdomen
 - Abdominal wall, cavity, viscera
 - Anterior abdominal muscles
 - Posterior abdominal muscles
 - Organs

This is an intensive, fast-paced, classical cadaver-based anatomy course. The laboratory portion of this course involves active dissection of a human cadaver and is designed to promote (1) an understanding of human anatomy through direct experience, (2) an understanding of human anatomical variation by examination of multiple cadavers, and (3) functional and clinical aspects of human anatomy through direct examination of associations of systems, and team-based learning in an explicitly cooperative context through group work on the dissection including peer-to-peer teaching. All of these skills will help you in the practice of clinical medicine.

Texts and Reading List:

No outside reading materials are required.

Assessment, Grading and Remediation:

Participation **20%**

Grade	100%	90%	80%	70%
Expectation	Actively engages in ALG and course discussions-- provides meaningful contributions, comes prepared and is respectful.	1 of the criteria not met	2 of the criteria not met	3 or more criteria not met

Final Examination **80%**

Grade	Marks	GPA
A	90 and above	4
A-	85-89	3.7
B+	80-84	3.3
B	75-79	3
B-	70-74	2.7
C+	65-69	2.3
C	60-64	2
C-	55-59	1.7
D	50-54	1.3
F	50 and below	0