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Drexel University College of Medicine

Subject: Gross Anatomy

Course Title: Summer Gross Anatomy 2024

Start Date: 6/10/2024

End Date: 7/16/2024

Application Deadline & Fees: Application Deadline: June 7, 2024; Fee: \$2,200. If taken with our Embryology online course, the fee for both courses is \$2700.00

Course Description: Course Description: Drexel University College of Medicine (DUCOM) offers a make-up course in Medical Gross Anatomy that is taken on the Web. The course material will be available from June 10, 2024 until July 16, 2024. The course includes approximately 30 hours of streaming video lectures with handouts, 20 web-based interactive Clinical Case Reviews, consisting of about 2 cases each. (See Technical Requirements listed below) and anatomy review videos and a large database of practice questions. A Medical School faculty member is available for questions and answers via bulletin board or email. Online classroom sessions will be held as needed. The Course is divided into 6 sections, which follow a weekly progression that students may access at their own pace. After each section the student takes a Section Exam consisting of MCQ's on the section content. Each Section Exam is taken through Blackboard Learn and requires a computer and use of the Respondus Lockdown Browser and Video Monitoring A mid-course exam will be given on June 25, 2024 and the final exam on July 16, 2024. These and the points accrued from the Clinical Case Review quizzes are THE ONLY exams that will count toward the final course grade. The midcourse and final course exams must be taken under proctored conditions. More information will be made available once the course has started.

Pre-requisites: The course is open only to medical students who have completed a medical school course that included full cadaver dissection but who require a remediation of the conceptual principles of the discipline. Students must be registered in an accredited U.S.A. Medical School, or equivalent, and provide written approval from their Dean of Students. Students take the course at their own institution. They must also supply written assurance from their Dean that a proctor will be supplied to administer the mid course and final exams.

Other Information: Technical Requirements: 1. High Speed Internet Connection. All of the lectures in the Medical Gross Anatomy Review course are presented as streaming video, which has been optimized for high bandwidth internet connections (e.g., DSL, cable modem, T1). If you do not have a high-speed

internet connection at home, you must be able to access such a connection from your medical school or elsewhere. 2. Multimedia Computer: Since all of the lectures consist of both audio and video, the computer (PC or MAC) that you use must be capable of playing audio, and must either have speakers or headphones. The monitor must be capable of displaying a minimum resolution of 1024x768 pixels (best is 1280x1024 pixels). For the online classroom sessions, either a built in or plug in microphone is required and a camera. 3. Browser Check: You will use the Drexel University's Blackboard Learn System to access the course. Several browsers are supported. You should access the Blackboard Learn login page at https://us01.l.antigena.com/l/oJS9gNZj66gSp_-On47dVKZVVVvKMPfrjcC1R2nqgHir1WnKq3s2-2ea61ylTJXpzsJGOGdPITL6rghFeGZ7RoJ9HNjpaajm9Z7k~9jR9~4~atgAxH~XoVzInOWiDzP-nWrSoPX8yv1VF-qFzD7Oiv46 and run the "Check Browser" tool (the link is in the upper left-hand corner of the page). In addition to checking your browser, it will also check that you have pop-ups unblocked, your version of java, and that javascript and cookies are enabled. You can also get technical support guides how to correct the problems from this page. 4. Viewing Handouts: Most handouts are in Adobe Reader .PDF format. If you do not have Adobe Reader, then you will need to download and install it. Adobe Reader is available free of charge from the Adobe web site: <http://www.adobe.com/reader/>

Course Contact:

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Subject: Microanatomy, Histology

Course Title: Summer Remediation Course in Medical Microanatomy

Start Date: 6/10/2024

End Date: 7/12/2024

Application Deadline & Fees: Application Deadline: June 7, 2024; Course fee: \$2,200

Course Description: Drexel University College of Medicine (DUCOM) offers a make-up course in Medical Microanatomy, which is administered through Blackboard Learn. The course material is available from June 12 until July 14. Testing is via a midterm and final exam, both delivered through Blackboard Learn. The course includes approximately 57 lecture hours presented as streaming video. Lecture notes can be downloaded or viewed simultaneously with the streaming video and annotated virtual slides. The Course is divided into 7 sections, which follow a weekly progression that students may access at their own pace within the limits of the midterm and final exam. After completing each section, the student takes an exam for self-assessment at home. Each Section Exam is taken through the Blackboard Learn system and requires a computer with internet access. Success in each Section Exam is required in order to progress to the next section. Section exams will not count toward the final grade but will provide feedback to the students as they progress through the course, and also serve as practice for the midterm and final exams. A medical school faculty member will be available for questions and answers via e-mail or zoom. The seven sections are as follows: 1. Introduction to Microscopy & Cell

Biology 2. Epithelium, Connective Tissue & Skin 3. Muscle & Nerve, Cartilage & Bone 4. Respiratory and Endocrine Systems 5. Blood, Cardiovascular System & Lymphoid Organs 6. Digestive System 7. Urinary System, and Male & Female Reproductive Systems.

Pre-requisites: Students must be registered in an accredited U.S. Medical or Dental School, or equivalent, and provide written approval from their appropriate Administrator (usually the Dean of Students). Students access the course and take all exams on Blackboard.

Other Information: Details concerning technical requirements and registration can be found on our website: <https://drexel.edu/medicine/about/departments/neurobiology-anatomy/relatedprograms/summermedical-microanatomy/> Some modular options will be available for remediation involving multidisciplinary integrated courses. Please contact us for pricing and availability.

Course Contact:

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Subject: Embryology

Course Title: Summer Embryology 2024

Start Date: 6/10/2024

End Date: 6/25/2024

Application Deadline & Fees: Application Deadline: June 7th, 2024; Fee: \$1,100 If taken with our Gross Anatomy online course, the fee for both courses is \$2700.00

Course Description: Web site: Embryology: A detailed syllabus is located at the link below <http://drexel.edu/medicine/about/departments/neurobiology-anatomy/related-programs/summer-medical-embryology/> Course Description Drexel University College of Medicine (DUCOM) offers a make-up course in Medical Embryology that is taken on line. The course material will be available from June 10, 2024 until June 25, 2024. There will be approximately 15 hours of streaming video lectures with handouts, four online assignments to be graded by the instructor. Online classroom sessions will be held on an ad hoc basis. (See Technical Requirements listed below). The classroom sessions will provide students with the opportunity to ask questions, provide feedback and to interact with a faculty member and the other course registrants. The course handouts may be downloaded or viewed simultaneously with the streaming video. A Medical School faculty member is available for questions and answers via bulletin board, telephone, or email. After completion of each section of the course, the student takes a Section Exam consisting of MCQ's on material from the section. Each Section Exam is taken through Blackboard Learn and requires a computer and use of the Respondus lockdown browser. Success in each section exam is required in order to progress to the next section of the course. The final course grade for each

student will be determined by a Final Examination taken under proctored conditions using Respondus Lockdown Browser and Video Monitoring

Pre-requisites: The course is open only to medical students who have completed a medical school course that included Embryology as part of the course material. This course may be taken in conjunction with our online Gross Anatomy Remediation course. Students must be registered in an accredited U.S.A. Medical School, or equivalent, and provide written approval from their Dean of Students.

Other Information: the lectures in the Medical Gross Anatomy Review course are presented as streaming video, which has been optimized for high bandwidth internet connections (e.g., DSL, cable modem, T1). If you do not have a high-speed internet connection at home, you must be able to access such a connection from your medical school or elsewhere. 2. Multimedia Computer: Since all of the lectures consist of both audio and video, the computer (PC or MAC) that you use must be capable of playing audio, and must either have speakers or headphones. The monitor must be capable of displaying a minimum resolution of 1024x768 pixels (best is 1280x1024 pixels). For the online classroom sessions, either a built in or plug in microphone is required and a camera. 3. Browser Check: You will use the Drexel University's Blackboard Learn System to access the course. Several browsers are supported. You should access the Blackboard Learn login page at https://us01.l.antigena.com/l/oJS9gNZj66gSp_-On47dVKZVVvkMPfrjc1R2nqgHir1WnKq3s2-2ea61yITJXpzsJGOGdPITL6rghFeGZ7RoJ9HNjpaajm9Z7k~9jR9~4~atgAxH~XoVzInOWiDzP-nWrSoPX8yv1VF-qFzD7Oiv46 and run the "Check Browser" tool (the link is in the upper left-hand corner of the page). In addition to checking your browser, it will also check that you have pop-ups unblocked, your version of java, and that javascript and cookies are enabled. You can also get technical support guides how to correct the problems from this page. 4. Viewing Handouts: Most handouts are in PDF format. If you do not have a pdf file Reader, then you will need to download and install one. Adobe Reader is available free of charge from the Adobe web site: Adobe PDF Reader

Course Contact:

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Subject: Neuroscience

Course Title: Medical Neuroscience

Start Date: 6/10/2024

End Date: 7/12/2024

Application Deadline & Fees: Application Deadline: June 7, 2024; Fee: \$2200

Course Description: Drexel University College of Medicine (DUCOM) offers a make-up course in Medical Neuroscience, which is administered through Blackboard LEARN. The course material will be

available from June 10th until July 12th with the midterm exam held on Wednesday, June 26th and the final exam held on Friday, July 12th. There will be approximately 60 hours of streaming video in addition to web-based interactive tutorials, quizzes, brain atlas, brains slides, animations and interactive diagrams. The course manual can also be downloaded or viewed simultaneously with the streaming video. A Medical School faculty member is available for questions and answers via bulletin board, telephone, or email. The Course is divided into 6 sections, which follow a weekly progression that students may access at their own pace. After completing each section the student takes an exam for self-assessment. Each Section Exam is taken through the Blackboard LEARN system and requires a computer. Success in each Section Exam is required in order to progress to the next section. Grades will be averaged from performance on the midterm and final exam for a Satisfactory (70% and above) or Unsatisfactory (69% and below) grade. Exams will use the Respondus Lockdown Browser and be proctored by the student's Administrator at the home institution or an approved alternate site.

Pre-requisites: Students must be registered in an accredited USA Medical or Dental School, or equivalent (such as PA school or a post-bac program), and provide written approval from their appropriate Administrator (usually the Dean of Students). Students take the course at their own institution. They must also supply written assurance from their Administrator that a proctor will be supplied to administer the midterm and final exam.

Other Information: Details concerning technical requirements and registration can be found on our website: <http://drexel.edu/medicine/about/departments/neurobiology-anatomy/related-programs/summer-medical-neuroscience/> Some modular options will be available for remediation involving multidisciplinary integrated courses. Please contact us for pricing and availability.

Course Contact:

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University of Nebraska Medical Center

Subject: Gross Anatomy

Course Title: GCBA 516: Human Gross Anatomy

Start Date: 6/3/2024

End Date: 7/12/2024

Application Deadline & Fees: May 3, 2024, a \$50.00 non-refundable deposit is required to reserve a place in the course. Full 6 credit hour course \$2,568.00. Students may elect to take any combination of the subsections of the course at a prorated amount. See the registration packet for details.

Course Description: The organization of the human body and the way in which anatomical relationships serve as a basis for function are studied in this course. The medical aspects of the structural and functional organization of the human body are also a focus of attention. The course will consist of daily team-based learning exercises and supervised laboratory dissection. Students are expected to do the assigned prereading and come to the TBL sessions prepared to discuss clinical cases and take the daily quizzes. The major learning experience occurs in the laboratory where teaching consists of small group discussions.

Pre-requisites: Offered to students who have previously taken an anatomy course in an MD, DO, PA, PT, or Graduate program.

Other Information: For more information and a copy of the registration packet visit <https://www.unmc.edu/genetics/education/summer-program/index.html>

Course Contact:

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Tulane School of Medicine

Subject: Biochemistry

Course Title: Remedial Biochemistry

Start Date: 5/20/2024

End Date: 7/19/2024

Application Deadline & Fees: Tuition for one course module is \$875 (either Cellular or Metabolic Biochemistry). Tuition for both course modules is \$1500. Upon confirmation of tuition and completion of the application process (see below), the student will be provided a link and access to the remedial course website. The student will only have access to learning resources for the appropriate course modules.

Course Description: The course is broken into two course modules, Metabolic Biochemistry and Cellular Biochemistry. Depending on their remedial needs, students can opt to take either or both course modules. The Metabolic Biochemistry module covers six content blocks, including (1) Fundamentals and Kinetics, (2) Carbohydrate Metabolism, (3) Energy Production, (4) Lipid Metabolism, (5) Nitrogen Metabolism, and (6) Complex Disease States. The Cellular Biochemistry module covers an additional six content blocks, including 1) DNA/RNA/Proteins, (2) Glycobiology, (3) Protein Trafficking and Structural Proteins, (4) Blood, (5) Signal Transduction, and (6) Cell Cycle and Cancer. If a student only needs remediation in the Cellular Biochemistry module, some Metabolic Biochemistry Fundamentals topics are included.

Pre-requisites: Students must be registered in an accredited US Medical School, or equivalent. Students

take the course modules on-line at their own institution. A letter must be supplied from the institutional Dean of Students, providing the following information: (1) written approval to take the course module(s), (2) which module(s) is(are) to be taken, (3) assurance that a passing grade in the summer remedial course is acceptable for removing the student's weaknesses or deficit, (4) that a proctor will be supplied to administer the course module exams (please provide contact information for the proctor) OR that a proctored ONLINE exam is acceptable OR proctored locally on Tulane's Downtown Campus, and (5) that students will not be required to take any simultaneous curricular course work that might interfere with the student's success in the summer remedial course.

Other Information: (1) Application Process: The application, tuition and letter of support from the Dean of Students must all be submitted before the application is considered complete. Further instructions are supplied in the application. Please contact the course administrator (Kelly Ragland Boyd, 504-988-0395, kraglan@tulane.edu) if you have any questions. (2) Housing: N/A. (3) High Speed Internet: All lectures are presented as streaming video, which are optimized for high bandwidth Internet connections (e.g., DSL, cable modem, T1). (4) Multimedia Computer: Since all lectures consist of both audio and video, computers must be capable of playing audio, and have speakers or headphones. The monitor must be capable of displaying a resolution of at least 1024x768 pixels. It is recommended that computers (either PC or Mac) be capable of playing Windows Media .asx and .wmv files, and have Windows Media Player 11 (or higher), Microsoft Office Word and PowerPoint, and Adobe Reader software. Remote proctoring can be agreed upon with your home institution. Contact Tulane for more information.

Course Contact:

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West Virginia University

Subject: Microbiology + Immunology

Course Title: Immunity/Infection and Disease

Start Date: 6/24/2024

End Date: 8/2/2024

Application Deadline & Fees: Application Deadline: June 14, 2024; Application fee \$60; Course Fee \$6,426.00. Please contact Brooke Phillips for the course application link.

Course Description: This course is primarily designed for medical students who need to remediate or refresh current concepts in Medical Microbiology and Immunology. Students attend a virtual classroom of recorded lectures and interact with faculty through an online forum. It is a fast-paced self-studying course, which covers extensive basic science material in microbiology and immunology designed for students who were already taught this knowledge, which needs to be reviewed and solidified in

preparation for medical curriculum. Progress in this course is evaluated by online weekly examinations and performance on the NBME Microbiology + Immunology Subject Examination (if NBME is required by the student's home institution). The NBME Subject Examination will be administered at WVU or at the student's home institution, if this institution has a NBME-certified proctor for administration of web based subject exams.

Pre-requisites: It is the prerogative of the student's home institution to accept (or not accept) course credit in fulfillment of educational requirements for the M.D. degree. Students of related professional degrees may also enroll in this course to remediate deficiencies in microbiology and immunology. Therefore, students are strongly encouraged to communicate closely with their home institution before seeking enrollment.

Other Information: Students are responsible for lodging and travel expenses to WVU for the NBME Subject Examination (if their home institution requires exam). If student has permission to take the NBME Subject Examination at their home institution, the exam cost is assumed by the student or home institution. Basic science subject examinations are not currently offered at Prometric Testing Centers.

Course Contact:

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Program Specialist
Microbiology, Immunology and Cell Biology
64 Medical Center Drive, PO Box 9177
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Subject: Physiology

Course Title: PSIO 801: Summer Medical Physiology

Start Date: 6/10/2024

End Date: 7/19/2024

Application Deadline & Fees: Application deadline: 6/10/24

Tuition: \$5073 (\$714/cr + \$75 online learning student support fee) + \$75 non-refundable application fee

Course Description: This 7-credit, online course is designed for medical students who need to remediate Medical Physiology, or their school's equivalent course (consistent with molecular, sub-cellular, cellular, and tissue components, organ system and whole-body function, human health, and disease). The overall goal is to provide students with the basic information they need for the development of the skills to solve therapeutic problems concerning the practice of medicine.

Lectures can be viewed in a self-paced format via streaming video. Course materials are also available in PowerPoint, mp3, and text formats. Weekly exams are given online. Accommodations for the final exam (NBME Subject Exam in Physiology (allopathic medicine students), or equivalent NBOME/COMAT exam (osteopathic medicine students) are to be arranged by the student with their home institution, administration, or remediated course director. If the student is unable to arrange accommodations at their

home institution, that student will be required to travel to Morgantown, WV to take the exam on-site. Positive identification is required for admission to the NBME/NBOME subject exam. The subject exam is weighted as 10% of the final course grade, calculated based on the equated percent correct score provided by the reporting body.

Pre-requisites: Must be enrolled in a medical program as a first- or second-year student

Other Information: Contact Dr. Hardy for any additional information you may need

Course Contact:

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