



ADDENDUM to COURSE SCHEDULE

FOR OST 580 – RESPIRATORY

Spring Semester 2022

(see also: [Mandatory Clinical Integration Sessions](#) & [Online Modules](#))

| Date | Time | Topic or Title | Faculty | Format & Origin | Notes |
|----------|-------------------------------|--|-----------------------------------|------------------------------|--|
| 01/11/22 | 8:00-8:50am | Course Introduction | Hughes | Lecture REM | |
| 01/21/22 | 8:30-4:30pm | Session 1 ABG 1, Physiology 1, PFT, Vignette | | Disc – REM (EL, DMC, MUC) | Zoom only Mandatory, Not Recorded, See D2L for site specific times |
| 02/02/22 | 10:00-11:50am | Histology Lab (EL only) | Kennedy | Lab REM | Not Recorded Mandatory |
| 02/02/22 | 1:00 -2:50pm | Histology Lab | Kennedy, Schwartz, Nazaroff | Lab REM | Not Recorded Mandatory See D2L for site specific times |
| 02/02/22 | 3:00-4:50pm | Histology Lab Q & A | Kennedy | Lab REM | Not Recorded |
| 02/02/22 | 5:00-5:50pm | Physiology Review | DiCarlo | Lecture REM | Not Recorded |
| 02/04/22 | 5:00-5:50pm | Histology Review | Kennedy Schwartz Nazaroff | Lecture REM | Not Recorded |
| 02/04/22 | 8:30-4:30pm | Session 2 Micro I, Pharm I, Physiology II, Radiology | | Disc - REM (EL, DMC, MUC) | Zoom only Mandatory See D2L for site specific times |
| 02/07/22 | 8:00-11:00am | SEM 6 UE2 | | Online Exam | Covers online modules Session 1 and 2 |
| 02/08/22 | 1:00-2:40 pm; 3:00-4:40 pm | Anatomy Lab 1 – EL Thorax Review | Fitzsimmons, Her | Disc – Local | On campus only See group list on D2L |
| 02/09/22 | 8:00-9:40am; 10:00-11:40 | Anatomy Lab 1 - MUC & DMC Thorax Review | Tilden Nazaroff | Disc – Local | On campus only See group list on D2L |

| Date | Time | Topic or Title | Faculty | Format & Origin | Notes |
|----------|-------------------------------|---|---|------------------------------|---|
| 02/09/22 | 1:00-2:50pm 3:00-4:50pm | Micro/Derm/GU Respiratory lab | Wilkins | Disc - REM | Zoom only Mandatory See group list on D2L |
| 02/10/22 | 1:00-2:40 pm; 3:00-4:40 pm | Anatomy Lab 1 – EL Thorax Review | Fitzsimmons, Kujjo | Disc - Local | On campus only See group list on D2L |
| 02/11/22 | 8:30-4:30pm | Session 3 Pharm II, OMM, Micro II Dyspnea I | | Disc – REM (EL, DMC, MUC) | Zoom only Mandatory See D2L for site specific times |
| 02/14/22 | 8:00-2:00pm | EL only -Ultrasound | Hughes, Gerstner, Kujjo, Her, Geske, Etchebarne, Fitzsimmons | Disc - Local | On campus only Mandatory See group list on D2L |
| 02/14/22 | 2:00 – 2:50pm | Oral Health | McClellan | Lecture – REM MUC | Not Recorded |
| 02/15/22 | 8:00 -12:00pm | DMC & MUC– Ultrasound SEMI students @ MUC | Butki | Disc - Local | On campus only Mandatory See group list on D2L |
| 02/15/22 | 1:00-2:40 pm; 3:00-4:40 pm | Anatomy Lab 2 – EL HN/URT Review | Geske, Her | Disc – Local | On campus only |
| 02/16/22 | 8:00-9:40am; 10:00-11:40 | Anatomy Lab 2 - MUC & DMC HN/URT Review | Tilden Nazaroff | Disc – Local | On campus only |
| 02/17/22 | 1:00-2:40 pm; 3:00-4:40 pm | Anatomy Lab 2 – EL HN/URT Review | Fitzsimmons, Kujjo | Disc – Local | On campus only |
| 02/22/22 | 8:00-12:00pm | DMC - Airway Lab | Butki | Disc – Local | On campus only Mandatory See D2L group list |
| 02/22/22 | 8:00-12:00pm | MUC - Airway Lab | Flaherty | Disc – Local | On campus Mandatory See D2L group list |
| 02/23/22 | 7:00am-5:20pm | EL – Airway Lab | Hughes, et al. | Disc – Local | On campus Mandatory See D2L group list |
| 02/23/22 | 7:00-9:00pm | Pre-Oxy Article Reading Bonus quiz | | Online | On D2L |
| 02/24/22 | 8:00-12:00 pm | Anatomy Super day (breakout rooms) | Hughes, Her, Fitzsimmons, Kujjo, Hristova | Disc REM | Not recorded |

| Date | Time | Topic or Title | Faculty | Format & Origin | Notes |
|-------------|--------------|---|----------------|------------------------------|--|
| 02/25/22 | 8:00-5:00pm | Session 4 ENT and Vents | | Disc – REM (EL, MUC, DMC) | Zoom only Mandatory See D2L group list |
| 02/28/22 | 8:00-11:00am | SEM 6 UE3 | | Online Exam | Covers online modules Sessions 3 & 4 |
| 03/02/22 | 9:00-9:50am | Physiology Review | DiCarlo | Lecture - REM | |
| 03/03/22 | 9:00-11:00am | Anatomy Written Practical Exam | | Online Exam | Content from Session 1-4 |
| 03/04/22 | 8:00-12:00pm | SEM 6 UE4 Written Exam Comprehensive | | Online Exam | Content from Session 1-4 |

Mandatory Clinical Integration Sessions

Some sessions will have breakout rooms & reef polling
Group assignments will be posted on D2L
Spring Semester 2022

Session 1 – Fri., Jan. 21, 2022

| Topic | Local | EL Faculty | DMC Faculty | MUC Faculty |
|--------------|-------|-----------------|------------------|-----------------|
| Vignette | Zoom | Hughes | Hughes | TBD |
| ABG | Zoom | Prodinger | Minter | TBD |
| Physiology I | Zoom | DiCarlo/Kaufman | DiCarlo /Kaufman | DiCarlo/Kaufman |
| PFT | Zoom | Kelly / Grim | Justin Bahoora | TBD |

Session 2 – Fri., Feb. 4, 2022

| Topic | Local | EL Faculty | DMC Faculty | MUC Faculty |
|---------------|-------|------------------|--------------------|------------------|
| Micro/ID I | Zoom | Gulick/Rosenberg | David Minter | TBD |
| Pharm I | Zoom | Neubig/Prodinger | Rosenblat | TBD |
| Physiology II | Zoom | DiCarlo/Kaufman | DiCarlo /Kaufman | DiCarlo /Kaufman |
| Radiology | Zoom | Pernicone | A. Patel/H. Shaikh | TBD |

Session 3 – Fri., Feb. 11, 2022

| Topic | Local | EL Faculty | DMC Faculty | MUC Faculty |
|----------------------|-------|--------------------|-------------|-------------|
| Pharm II | Zoom | Neubig | Minter | TBD |
| Micro II | Zoom | Gulick | Rosenblat | TBD |
| Dyspnea I (clinical) | Zoom | Gerstner/Prodinger | Minter | TBD |
| OMM and Board Review | Zoom | Lippert | Lippert | Lippert |

Anatomy Super Session – Thurs., Feb. 24, 2022

| Topic | Local | EL Faculty | DMC Faculty | MUC Faculty |
|---------|--------------------------|------------|-------------|-------------|
| Anatomy | Zoom (breakout rooms) | Hughes, | | |

Session 4 – Fri., Feb. 25, 2022

| Topic | Local | EL Faculty | DMC Faculty | MUC Faculty |
|------------------|-------|--------------|-------------|-------------|
| Mechanical Vents | Zoom | Kelly / Grim | Vollsteadt | Vollsteadt |
| ENT | Zoom | Hughes | Stern | Stern |

Online Modules

Session 1 lectures: (review prior to Feb 7, 2022, S6 Unit Exam 2)

| Viewing Order | Lecturer | Title | Elapse Time |
|---------------|-------------|---|-------------------------|
| 1.1 | Fitzsimmons | Lung Surface Anatomy (General, male and female auscultation posts) | 23:03 |
| 1.2 | Fitzsimmons | Thoracic Cavity and Lungs | 43:11 |
| 1.3 | Kennedy | Respiratory System Histology | 1:02:46 |
| 1.4 | DiCarlo | Chapter 1: Basic Concepts I Chapter 1: Basic Concepts II Chapter 1: Basic Concepts III | 40.12 33.20 24.49 |
| 1.5 | DiCarlo | Chapter 2: Pulmonary Mechanics I Chapter 2: Pulmonary Mechanics II Chapter 2: Pulmonary Mechanics III | 48.48 32:25 21:46 |
| 1.6 | DiCarlo | Chapter 3: Pulmonary Ventilation I Chapter 3: Pulmonary Ventilation II | 56:04 26:54 |
| 1.7 | DiCarlo | Chapter 4: Pulmonary Blood Flow I Chapter 4: Pulmonary Blood Flow II | 48:33 26:07 |
| 1.8 | DiCarlo | Chapter 5: Pulmonary Gas Exchange I Chapter 5: Pulmonary Gas Exchange II | 30:16 57:07 |
| 1.9 | DiCarlo | Chapter 6: Gas Transport: Lungs and Periphery I Chapter 6: Gas Transport: Lungs and Periphery II Chapter 6: Gas Transport Lungs and Periphery III | 38:04 52:36 39:20 |
| 1.10 | DiCarlo | Chapter 7: Control of Ventilation | 32:52 |
| | | Chapter 8: Review Questions Only | No module |
| 1.11 | Gerstner | Lung and Thorax – the H & P | 22:40 |
| 1.12 | Gerstner | Arterial Blood Gasses | 22:53 |
| 1.13 | Kelly | Oxygen transport and delivery | 20.30 |
| 1.14 | Kelly | Respiratory Failure | 21:43 |
| 1.15 | Kelly | Pulmonary Function Tests | 13.35 |
| 1.16 | Taylor | Immunology Review – Part 1 Immunology Review – Part 2 Immunology Review – Part 3 | 27:06 27:28 19:52 |

Approximate Elapse time for OST580 online modules: 13 hours, 7 mins

Session 2 lectures: (review prior to Feb. 7, 2022, S6 Unit Exam 2)

| Viewing Order | Lecturer | Topic | Elapse Time |
|---------------|-----------|---|--------------|
| 2.1 | Nassiri | Pharmacology of Respiratory Infections – Treatment of GAS and Bacterial Pneumonia | 1:29:35 |
| 2.2 | Wilkins | Micro – Bacterial Classification and Structure | 13:29 |
| 2.3 | Wilkins | Micro – Bacterial Physiology and Genetics | 22:07 |
| 2.4 | Wilkins | Micro – Normal Human Microbiota and an Overview of Bacterial Classes | 12:23 |
| 2.5 | Wilkins | Micro – Bacterial Respiratory Pathogens | 12:30 |
| 2.6 | Gulick | Pulmonary Defenses | 1:02:41 |
| 2.7 | Gulick | Pulmonary Infections in the Immunocompromised Patient | 1:02:02 |
| 2.8 | Gulick | Community Acquired Pneumonia (CAP) | 41:39 |
| 2.9 | Gulick | Hospital Acquired Pneumonia (HAP) | 57:08 |
| 2.10 | Butki | Sepsis | 19:52 |
| 2.11 | Butki | Pneumonia Severity Tool Prediction Tools | 5:16 |
| 2.12 | Rosenberg | Viral Respiratory Infections Part I | 34:46 |
| | Rosenberg | Viral Respiratory Infections Part II | Cont. |
| 2.14 | Nassiri | Pharmacology of Viral Respiratory Infections | 23:29 |
| 2.15 | Kowalski | Pathology of Acute and Subacute Infections | 39:11 |
| 2.16 | Kowalski | Pathology of Chronic Pulmonary Infections | 35:14 |
| 2.17 | Pernicone | Rad-Module 1 – Respiratory & Sinus Radiology | 40:23 |
| 2.18 | Pernicone | Rad-Module 2 – The Normal Chest | 15:08 |
| 2.19 | Pernicone | Rad-Module 4A – The Airway | 13:45 |
| 2.20 | Pernicone | Rad-Module 4B – Hilar Anatomy and Pathology | 12:40 |
| 2.21 | Pernicone | Rad-Module 4C – Bronchi and Lungs | 1:27:41 |
| 2.22 | Pernicone | Rad-Module 4D – Pulmonary Embolism and Infarction; pleural disease | 17:19 |
| 2.23 | Pernicone | Rad-Module 6 - Normal Sinus Anatomy, sinus x-ray views & sinus pathology | 10:46 |
| 2.24 | Pernicone | Rad - Module 7 - Normal CT and x-ray of mastoids; mastoid pathology | 04:33 |
| 2.25 | Kowalski | Pulmonary Pathology of Immunocompromised Hosts | 40:51 |
| 2.26 | Kelly | Hemoptysis | Handout only |
| 2.27 | Kelly | Cough | Handout only |
| 2.28 | Gulick | Covid-19 Disease in the lungs | 58:28 |

Approximate Elapse time for OST580 online modules: 13 hours, 55 mins.

****Note: All radiology modules may be tested again on subsequent exams in addition to the final exam.**

Session 3 lectures: (review prior to Feb. 28, 2022, S6 Unit Exam 3)

| Viewing Order | Lecturer | Topic | Elapse Time |
|---------------|----------|--|----------------------------------|
| 3.1 | Kelly | Asthma: Pathogenesis and Endotyping Asthma: Diagnosis and Treatment | 9:12 14:04 |
| 3.2 | Kelly | COPD: Pathogenesis and Endotypes | 9:30 |
| 3.3 | Kelly | COPD: Diagnosis and Treatment | 17:17 |
| 3.4 | Neubig | Pharmacology of Drugs for Asthma and COPD | 42:50 |
| 3.5 | Hughes | Clinical Approach to Acute Bronchodilator in an Emergency | 21:04 |
| 3.6 | Hughes | Math calculations | 6:45 |
| 3.7 | Kowalski | Pathology of Obstructive Pulmonary Diseases | 41.24 |
| 3.8 | Kelly | Respiratory Failure Modes of Ventilatory Support | 30:28 |
| 3.9 | Kelly | Acute Respiratory Distress Syndrome (ARDS) | 24:31 |
| 3.10 | Kowalski | Pathology of ARDS / Shock/ DIC | 49:08 |
| 3.11 | Gulick | Mycobacterium Tuberculosis | 42:22 |
| 3.12 | Gulick | Atypical Mycobacteria | 39:46 |
| 3.13 | Nassiri | TB Pharmacology of Pulmonary | 57:00 |
| 3.14 | Lippert | Osteopathic Principles, Manipulative Medicine and the Respiratory System | 42.33 |
| 3.15 | Gulick | Fungal Respiratory Infections | 53:45 |
| 3.16 | Nassiri | Pharmacology of Respiratory Infections – Treatment of Fungal Lung Infections | 55:32 |
| 3.17 | Kelly | Pulmonary Issues in Pregnancy | 33:32 |
| 3.18 | Hughes | 18A. Upper Airway Emergencies Chapter 1 Intro 18B. Upper Airway Emergencies Chapter 2 Infections Disorders 18C. Upper Airway Emergencies Chapter 3 Inflammatory 18D. Upper Airway Emergencies Chapter 4 Pertussis | 10:02 33:38 16:32 11:33 |
| 3.19 | Hughes | Developing a Differential Diagnosis: Prep for lab | 21:20 |
| 3.20 | Neubig | Pharmacology of Antihistamines, Antitussives, Expectorants, Decongestants/cough and cold preps | 27:06 |

Approximate Elapse time for OST580 online modules: 11 hours, 26 mins.

****Note: All radiology modules may be tested again in Session 3 and 4 in addition to the final exam.**

(Session 4 review prior to Feb. 28, 2022, S6 Unit Exam 3)

| Viewing Order | Lecturer | Topic | Elapse Time |
|---------------|-------------|---|---------------------------------|
| 4.1 | Geske | Nasal Cavity and Sinuses (Anatomical relationships, radiographic landmarks, blood supply to/innervation of) | 28:31 |
| 4.2 | Fitzsimmons | Ear (Radiology, external ear, middle ear, mastoid process, Eustachian tube, lymphatics) | 20:30 |
| 4.3 | Geske | Pharynx and Larynx (Fascia, embryology, pharynx lymphatics, larynx ligaments, larynx muscles, thyroid gland) | 47:07 |
| 4.4 | Geske | Oral Cavity and teeth | 34:56 |
| 4.5 | Fitzsimmons | Article - The Adult Neck Mass (on D2L in Session 4 folder) | On D2L |
| 4.6 | McClellan | Oral Health | Lec MUC |
| 4.7 | Kelly | Interstitial Lung Disease | 20:08 |
| 4.8 | Kelly | Occupational and Environmental Lung Disease | 24:31 |
| 4.9 | Kowalski | Pathology of Interstitial & Restrictive Pulmonary Diseases | 56:25 |
| 4.10 | Kelly | Sarcoidosis | 13:38 |
| 4.11 | Kaufman | Hypercalcemia in Sarcoidosis | 10:20 |
| 4.12 | Kowalski | Pulmonary Vascular Pathology | 27:53 |
| 4.13 | Kowalski | Pathology of the Oral Cavity and the Oronasopharynx | 1:01:22 |
| 4.14 | Hughes | ***Complete before attending Airway Lab on 2/23/22*** I Can't Breathe – Part I I Can't Breathe – Part II I Can't Breathe – Part III | 22:54 21:09 42:48 |
| 4.15 | Hughes | Chest Trauma – Parts 1 Chest Trauma – Parts 2 Chest Trauma – Parts 3 Chest Trauma – Parts 4 | 15:27 21:56 13:38 8:25 |
| 4.16 | Kelly | Pleural Disease | 24:31 |
| 4.17 | Gulick | Lung Cancer | 39:20 |
| 4.18 | Kowalski | Pulmonary and Pleural Neoplasia | 1:07:25 |
| 4.19 | Kelly | Sleep Related Breathing Disorders | 18:22 |
| 4.20 | Strabbing | ENT Obstructive Sleep Apnea | 13:33 |
| 4.21 | Hughes | Periorbital and Orbital Cellulitis | 10:49 |
| 4.22 | Strabbing | ENT Rhinitis | 6:17 |
| 4.23 | Strabbing | ENT Sinusitis | 15:02 |
| 4.24 | Strabbing | ENT External Ear | 11:16 |
| 4.25 | Strabbing | ENT Middle Ear | 14:22 |
| 4.26 | Strabbing | ENT Inner Ear | 18:20 |
| 4.27 | Strabbing | ENT Epistaxis | 13:30 |
| 4.28 | Strabbing | ENT Head and Neck masses | 10:42 |
| 4.29 | Strabbing | ENT Oral and Oropharyngeal cancer | 7:12 |
| 4.30 | Strabbing | ENT Oral Cavity | 9:32 |
| 4.31 | Strabbing | ENT Laryngeal Cancer | 4:32 |
| 4.32 | Strabbing | ENT Pharyngeal and Adenotonsillar disorders | 7:07 |
| 4.33 | Strabbing | ENT Salivary Glands | 5:40 |
| 4.34 | Kowalski | Pathology of the Larynx and neck | 26:15 |
| 4.35 | Kelly | Urticaria (Hives) / Angioedema | Handout only |
| 4.36 | Kelly | Anaphylaxis | Handout only |
| 37 | Kelly | Article - An Emerging Crisis: Vaping-Associated Pulmonary Injury (on D2L in Session 4 folder) | On D2L |

Approximate Elapse time for Session 4 OST580 online modules: 13hrs. 23 mins.

*****Note: All radiology modules may be tested again in Session 3 and 4 in addition to the final exam.***

***** Semi-professional attire is to be worn by all students during the required local sessions. Clothes with holes in them, revealing clothes, sweatpants and hats are expressly prohibited. Students may be asked to go change into scrubs if they present themselves in such fashion. *****