BIOC6222, Spring Semester, 2021

(Syllabus - Biochemical Genetics and Medicine)

Course Director: Wenge Zhu (wz6812@gwu.edu), SEH Room 8870
Teaching assistant: Juntian Wei (jwei48@gwmail.gwu.edu)

Instructors: Biochemistry Faculty

Time: Monday & Wednesday- 6:00 – 8:00 pm
Location: online

Section 1: Genes, Transcription, and Chromatin

Mon. Jan. 11, 2021, Lecture 1: Packaging of DNA and Global Structure of Chromatin - Dr. A. Villagra
Mon. Jan. 18, 2021, Martin Luther King holiday – no class
Wed. Jan. 20, 2021, Inauguration Day- no class
Mon. Jan. 25, 2021, Lecture 3: IncRNA and neurodevelopmental disorders- Dr. V. Hu
Mon. Feb. 1, 2021, Lecture 5: Transcriptional Deregulation in Human Diseases- Dr. R. Li
Wed. Feb. 10, 2021, Lecture 8: DNA methylation and Gene Expression- Dr. M. Gupta
Mon. Feb. 15, 2021, President’s Day – no class

Mon. Feb. 22, 2021, the due date of exam. Section 1 (40 percent- Villagra, Horvath, Hu, Li, Zhang, and Gupta)

Section 2: DNA Replication, Repair and Genomic Stability

Mon. Mar. 1, 2021, Lecture 11: Genetic Disorders and Chemotherapy- Dr. W. Zhu
Mon. Mar. 8, 2021, Lecture 13: “DNA Damage and DNA Repair Mechanisms”- Dr. H. Pei
Wed. Mar. 10, 2021, Lecture 14: DNA Damage Checkpoints- Dr. H. Pei
Mon. Mar. 15, 2021, Spring break – no class
Wed. Mar. 24, 2021, Study day

Mon. Mar. 29, 2021, the due date of exam. Section 2 (30 percent - Zhu and Pei)
Section 3: Molecular Basis of Disease Progression and Treatment
Mon. Apr. 5, 2021, Lecture 17: Cancer metastasis or cancer dormancy - Dr. J. Lee
Wed. Apr. 7, 2021, Lecture 18: Cytokines and anti-tumor immune responses- Dr. A. Villagra
Mon. Apr. 12, 2021, Lecture 19: Multistep Tumorigenesis- Dr. P. Berg
Wed. Apr. 14, 2021, Lecture 20: Molecular Basis of Cancer and Therapy- Dr. E. Seto
Mon. Apr. 19, 2021, Lecture 21: Molecular Understanding of the Obesity Epidemic- Dr. R. Li
Wed. Apr. 21, 2021, Lecture 22: Regulation of the immune response during tissue repair- Dr. B. Shook
Wed. Apr. 26, 2021, Lecture 23: Cardiac and cutaneous side effects of some anticancer drugs: pathobiology and treatment- Dr. W. Weglicki

Wed. May 6, 2021, the due date of exam. Section 3 (30 percent- Berg, Gupta, Villagra, Seto, Li, Shook and Weglicki)

University Policy on Religious Holidays [should be included verbatim]
1. Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance.
2. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations.
3. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities

Support for Students Outside the Classroom [should be included verbatim]
Disability Support Services (DSS)
Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: gwired.gwu.edu/dss/

Mental Health Services 202-994-5300
The University's Mental Health Services offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. counselingcenter.gwu.edu/

Academic Integrity Code [NOTE: reference to the code should be made and the url provided]
Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information. For the remainder of the code, see: studentconduct.gwu.edu/code-academic-integrity