|  | **October 2023** |  |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
| 1  | 2  | 3 **Clinical relevance and therapeutic targeting of DNA repair mechanisms****Lecturer: KOSTAS PAPAVASSILIOU** | 4  | 5  | 6 **Basic principles of regulation of the transcription of eukaryotic cells****Lecturer: KOSTAS PAPAVASILIOU** | 7  |
| 8  | 9  | 10 **Mechanisms of cell cycle regulation and apoptosis****Lecturer: KOSTAS PAPAVASILIOU** | 11 **Carcinogenicity and nuclear receptors****Lecturer: MICHALIS KARAMOUZIS** | 12  | 13  | 14  |
| 15  | 16  | 17  | 18  | 19  | 20 **Immuno-Oncology and Cell Signaling** **Lecturer: PANAGIOTIS SARANTIS** | 21  |
| 22  | 23  | 24  | 25 **Carcinogenicity and cell signaling** **Lecturer: MICHALIS KARAMOUZIS** | 26  | 27  | 28  |
| 29  | 30  | 31 **Introduction to hormone biochemistry and the hormonal cascade system. Hormone receptors and signaling** **Lecturer: MARIANNA DALAMAGA** |  |

|  | **November 2023** |  |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
|  |  |  | 1  | 2  | 3 **Biochemistry of hypothalamic, pituitary and pineal hormones. Biosynthesis, Metabolic actions, Receptors and signaling****Lecturer: MARIA KATSIANOU** | 4  |
| 5  | 6  | 7 **Adrenal hormone biochemistry. Biosynthesis. Metabolic actions. Receptors and signaling** **Lecturer: MARIA KATSIANOU** | 8  | 9  | 10 **Biochemistry of steroid hormones. Biosynthesis. Metabolic actions. Receptors and signaling****Lecturer: MARIA KATSIANOU** | 11  |
| 12  | 13  | 14 **Calcium metabolism and homeostasis. Calciotropic hormones. Metabolic actions. Receptors and signaling** **Lecturer: MARIANNA DALAMAGA** | 15  | 16  | 17  | 18  |
| 19  | 20  | 21 **Obesity - Biochemical regulation of body mass - Biochemistry of adipose tissue hormones.** **Receptors and signaling** **Lecturer: MARIANNA DALAMAGA** | 22  | 23  | 24 **Characteristics of cancer cells****Lecturer: PANAGIOTIS SARANTIS** | 25  |
| 26  | 27  | 28  **Metabolic correlations:** * **Starve-feed cycle**
* **Mechanisms involved in the transduction of hepatic metabolism between well-fed and fasting states.**

 **Instructor: ANTONIOS GARGALIONIS** | 29  | 30  |  |

|  | **December 2023** |  |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
|  |  |  |  |  | 1 **Metabolic correlations: Interrelationships of tissues in nutritional and hormonal states.** **Lecturer: ANTONIOS GARGALIONIS** | 2  |
| 3  | 4  | 5 **Metabolic correlations: Type 1 and 2 diabetes mellitus. Hyperglycemic-hyperosmotic coma.****Lecturer: ANTONIOS GARGALIONIS** | 6  | 7  | 8  | 9  |
| 10  | 11  | 12 **Metabolic correlations: Polyol pathway and complications of Diabetes Mellitus****Instructor: ANTONIOS GARGALIONIS** | 13  | 14  | 15 **Biochemistry of thyroid hormones. Biosynthesis. Metabolic actions. Receptors and signaling** **Lecturer: EVANTHIA KASSI** | 16  |
| 17  | 18  | 19  | 20  | 21 **Digestion of carbohydrates, proteins and fats****Lecturer: NARJES NASIRI-ANSARI** | 22 **Digestion of carbohydrates, proteins and fats** **Lecturer: NARJES NASIRI-ANSARI** | 23  |
| 24  | 25  | 26  | 27  | 28  | 29  | 30  |
| 31  |  |