

## Schedule of Introduction Course

		8:30 – 10:30		10:30 – 12:30		13:30 – 15:30
<b>Saturday</b>	2018/03/10	<b>pharmacology</b> General principles & introduction Dr. Dehpour	<b>Pharmacology</b> Drug Receptors & Pharmacodynamics (1) Dr. Dehpour	<b>Pharmacology</b> Drug Receptors & Pharmacodynamics (2) Dr. Dehpour	<b>Pharmacology</b> Intracellular Signaling Mechanisms Dr. Dehpour	<b>Immunology</b> Immunodeficiency Diseases
<b>Sunday</b>	2018/03/11	<b>Pharmacology</b> Pharmacokinetics (Absorption, Distribution, Extraction)1&2 Dr. Jazayeri		<b>Pharmacology</b> Drug Metabolism Dr. Jazayeri	<b>Pharmacology</b> Basic & Clinical Evaluation of New Drugs Dr. Jazayeri	
<b>Monday</b>	2018/03/12	<b>Pharmacology</b> Introduction to Autonomic Nervous system Cholinoceptor & Anti-Cholinesterase-Activating Drugs Dr. Shafaroudi		<b>Pharmacology</b> Cholinoceptor Blocking Drugs Dr. Shafaroudi		<b>Immunology</b> Basics of Use & Interpretation of Immunologic Tests
<b>Tuesday</b>	2018/03/13	<b>Pharmacology</b> Adrenoceptor Agonist & Other Sympathomimetic Drugs / Adrenoceptor Antagonist Drugs		<b>Immunology of Infectious Diseases</b>		
<b>Venue</b>		<b>Pharmacology</b> Medical Faculty Tebbe Tajrobi Hall			<b>Immunology</b> Medical Faculty Tebbe Tajrobi Hall	

## Schedule of Clinical & Communication Skill Courses

		8:30 – 10:30	10:30 – 12:30	13:30 – 15:30
<b>Saturday</b>	2018/04/07	Introduction to Clinical Medicine  Medical Faculty/ Tebbe Tajrobi Hall	Introduction to Clinical Medicine  Medical Faculty/ Tebbe Tajrobi Hall	
<b>Sunday</b>	2018/04/08	Pain	Headache	

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Monday	2018/04/09	Dysuria/Polyuria/Polydipsia/& Oliguria	Low back pain/Arthralgia/Arthritis	
Tuesday	2018/04/10	Fever, chills, & fever of undetermined origin (FUO)	Cough & Hemoptysis Dyspnea	
Wednesday	2018/04/11	Diarrhea/Constipation	Palpitation and cyanosis	
Thursday	2018/04/12			
Friday	2018/04/13	Public Holiday		
Saturday	2018/04/14	Public Holiday		
Sunday	2018/04/15	Dizziness/Vertigo & fainting	Jaundice	
Monday	2018/04/16	Chest pain	Weight gain and weight loss	
Tuesday	2018/04/17	Abdominal pain	Nausea and vomiting	Altered level of consciousness
Wednesday	2018/04/18	Lecture: Communicational Models & the Importance of Teaching These Skills	Lecture: Introduction to the Calgary Cambridge Model (1)	Lecture: Introduction to the Calgary Cambridge Model (2)
Thursday	2018/04/19			
Friday	2018/04/20	Public Holiday		
Saturday	2018/04/21	Small Group: Showing Film and Discussing the Components of the Calgary Cambridge Guide	Small Group: Role- Playing of the Components of the Calgary- Cambridge Guide	Lecture: Difficult Communication Skill 1
Sunday	2018/04/22	Interview with the Standardized Patient Skill Lab Center	Interview with the Standardized Patient Skill Lab Center	Lecture: Difficult Communication Skill 2
Monday	2018/04/23	Lecture: Communicational Models and the Importance of teaching these skills	Lecture: Introduction to the Calgary Cambridge Model (2)	Lecture: Introduction to the Calgary Cambridge Model (2)
Tuesday	2018/04/24	Small Group: Showing Film & Discussing the Components of the Calgary Cambridge Guide	Small Group: Role- Playing of the Components of the Calgary- Cambridge Guide	Lecture: Difficult Communication Skill 1
Wednesday	2018/04/25	Interview with the Standardized Patient Skill Lab Center	Interview with the Standardized Patient Skill Lab Center	Lecture: Difficult Communication Skill 2
Venue		Clinical Skills		Communication Skills
		Medical Faculty Kavousi Hall		Medical Faculty Ozlat

## Schedule of the Pathophysiology of Cardiology

		8:30 – 10:30	10:30 – 12:30	13:30 – 15:30
Sunday	2018/04/29	<b>Theoretical pathology</b> Pathology of Heart Disease	<b>Cardiology</b> Normal Cardiovascular System	Professional Commitment 1 <sup>st</sup> Category
Monday	2018/04/30	<b>Theoretical pathology</b> Pathology of Heart Disease	<b>Cardiology</b> Manifestations of cardiovascular disease	
Tuesday	2018/05/01	<b>Theoretical Pathology</b> Pathology of Vascular Diseases	Para-Clinical Studies in Cardiovascular Diseases	ECG Injections 1 <sup>st</sup> Category
Wednesday	2018/05/02	<b>Public Holiday</b>		
Thursday	2018/05/03			
Friday	2018/05/04	<b>Public Holiday</b>		
Saturday	2018/05/05	<b>Cardiology</b> Principles of Normal Cardiac Electrophysiology & Bradyarrhythmia	<b>Cardiology:</b> Cardiac Tachyarrhythmia	
Sunday	2018/05/06	Syncope & Cardiogenic Shock	Cardiopulmonary Resuscitation	<b>Cardiology</b> Coronary Artery Diseases (1)
Monday	2018/05/07	<b>Theoretical Pathology</b> Pathology of Vascular Diseases	<b>Cardiology</b> Coronary Artery Diseases (2)	<b>Practical pathology</b> Atherosclerosis, Myocardial infarction, Temporal arteritis, Lymphangioma & patient Presentation 1 <sup>st</sup> Category
Tuesday	2018/05/08	<b>Theoretical pathology</b> Pathology of Dermatologic Diseases	<b>Cardiology</b> Mitral and Tricuspid Valve Diseases	<b>Practical pathology</b> Atherosclerosis, Myocardial infarction, Temporal arteritis, Lymphangioma & patient Presentation 2 <sup>nd</sup> Category
Wednesday	2018/05/09	<b>Cardiology</b> Heart failure	<b>Cardiology</b> Aortic & Pulmonary Valves Diseases	<b>Practical pathology</b> Atherosclerosis, Myocardial infarction, Temporal arteritis, Lymphangioma & patient Presentation 3 <sup>rd</sup> Category
Thursday	2018/05/10			
Friday	2018/05/11	<b>Public Holiday</b>		
Saturday	2018/05/12	<b>Cardiology</b> Pericardial Diseases and Infective Endocarditis	Aortic Valves Diseases	<b>Cardiology:</b> Cardiomyopathy Injections 2 <sup>nd</sup> Category
Sunday	2018/05/13		<b>Immunology</b> Immuno-Dermatology	Professional Commitment 3 <sup>rd</sup> Category

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<b>Monday</b>	<b>2018/05/14</b>	<b>Theoretical pharmacology</b> Antiarrhythmic drugs, Vasodilators and Angina pectoris treatment Dr. Jahangiri	<b>Theoretical Pharmacology</b> Effective Drugs on Hyperlipidemy  Dr. Jahangiri	<b>Theoretical pharmacology</b> Heart Glycosides & Heart failure Medication Dr. Jahangiri	<b>Practical pathology</b> Squamous Cell Carcinoma, Basal Cell Carcinoma, Melanocytic Nevus, Malignant Melanoma 1 <sup>st</sup> category
<b>Tuesday</b>	<b>2018/05/15</b>	<b>Cardiology</b> Arterial Hypertension	<b>Cardiology</b> Congenital Heart Disease		<b>Practical pathology</b> Squamous Cell Carcinoma, Basal Cell Carcinoma, Melanocytic Nevus, Malignant Melanoma 2nd category
<b>Wednesday</b>	<b>2018/05/16</b>	<b>Cardiology</b> Heart & Pregnancy	Case-Based Discussion 1	Case-Based Discussion 2	<b>Practical pathology</b> Squamous Cell Carcinoma, Basal Cell Carcinoma, Melanocytic Nevus, Malignant Melanoma 3rd category

<b>Venue</b>	<b>Clinical introduction</b>	<b>Pathology</b>	<b>Pharmacology</b>	<b>Immunology</b>	<b>Practical Pathology</b>
	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Tebbe Tajrobi Hall	Medical Faculty: Tebbe Tajrobi Hall	Medical Faculty: Habibi Hall

## Schedule of the Pathophysiology of Nephrology

		8:30 – 10:30	10:30 – 12:30	13:30 – 15:30
Sunday	2018/05/27	<b>Nephrology</b> Anatomy & Physiology of Kidney	<b>Nephrology</b> Semiology of Kidney Diseases & Urinalysis	Injections 3 <sup>rd</sup> Category
Monday	2018/05/28	<b>Nephrology</b> Nephrotic and Nephritic syndromes	<b>Nephrology</b> Volume & Osmolality Disorders	
Tuesday	2018/05/29	<b>Nephrology</b> Disorders of Sodium Concentration	<b>Nephrology</b> Acid – Base	
Wednesday	2018/05/30	<b>Theoretical pathology</b> Diseases of the Kidney and Lower Urinary Tract	<b>Nephrology</b> Acid –Base	
Thursday	2018/05/31			
Friday	2018/06/01	<b>Public Holiday</b>		
Saturday	2018/06/02	<b>Theoretical pathology</b> Diseases of the Kidney and Lower Urinary Tract	<b>Nephrology</b> Nephrolithiasis & Urinary Tract Infection	Injections 4 <sup>th</sup> Category
Sunday	2018/06/03	<b>Theoretical pathology</b> Diseases of the Kidney and Lower Urinary Tract	<b>Nephrology</b> Diabetes & Systemic Diseases in the Kidney	
Monday	2018/06/04	<b>Public Holiday</b>		
Tuesday	2018/06/05	<b>Public Holiday</b>		
Wednesday	2018/06/06	<b>Public Holiday</b>		
Thursday	2018/06/07			
Friday	2018/06/08	<b>Public Holiday</b>		
Saturday	2018/06/09	<b>Theoretical pathology</b> Pathology of Male Genital Diseases	<b>Nephrology</b> Pregnancy & Polycystic Kidney Disease	Injections 5 <sup>th</sup> Category
Sunday	2018/06/10		<b>Nephrology</b> Disorders of Potassium Concentration	
Monday	2018/06/11	<b>Nephrology</b> Disorders of Potassium Concentration	<b>Nephrology</b> Hypertension	<b>Practical pathology</b> Pyelonephritis, Renal Cell Carcinoma, Nodular Prostatic Hyperplasia, Bladder Carcinoma & Seminoma 1 <sup>st</sup> Category
Tuesday	2018/06/12	<b>Theoretical Pharmacology</b> Antihypertensive Drugs	<b>Theoretical Pharmacology</b> Diuretic drugs	<b>Practical pathology</b> Pyelonephritis, Renal Cell Carcinoma, Nodular Prostatic Hyperplasia, Bladder Carcinoma &

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		Dr. Jahangiri	Dr. Shafaroudi		Seminoma 2nd Category
Wednesday	2018/06/13	<b>Nephrology</b> Chronic Renal Failure	<b>Nephrology</b> Hemodialysis & Peritoneal Dialysis		<b>Practical pathology</b> Pyelonephritis, Renal Cell Carcinoma, Nodular Prostatic Hyperplasia, Bladder Carcinoma & Seminoma 3 <sup>rd</sup> Category
Thursday	2018/06/14				
Friday	2018/06/15	<b>Public Holiday</b>			
Saturday	2018/06/16	<b>Public Holiday</b>			
Sunday	2018/06/17	<b>Nephrology</b> Acute Renal Failure	Case -Based Discussion		<b>Immunology</b> Immunology of Implantation

Venue	Clinical introduction	Case- Based discussion	Pathology	Pharmacology	Immunology	Practical Pathology
	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Tebbe Tajrobi Hall	Medical Faculty: Tebbe Tajrobi Hall	Medical Faculty: Habibi Hall

## Schedule of the Pathophysiology of Endocrinology

		8:30 – 10:30	10:30 – 12:30	13:30 – 15:30
Saturday	2018/06/30	<b>Theoretical pathology</b> Pathology of Gynecological Disorders	<b>Immunology</b> Immunology of Endocrine Disorders	
Sunday	2018/07/01	<b>Theoretical pathology</b> Pathology of Gynecological Disorders	<b>Immunology</b> Immunology of Fertility & Infertility	<b>Theoretical pharmacology</b> Hypothalamus & Pituitary Hormones (Posterior -Anterior) Dr. Dehpour
Monday	2018/07/02	<b>Theoretical pathology</b> Pathology of Gynecological Disorders	<b>Endocrinology</b> Introduction to Endocrinology	<b>Theoretical Pharmacology</b> Gonadal Hormones & Inhibitors Dr. Shafaroudi
Tuesday	2018/07/03	<b>Theoretical pathology</b> Breast Diseases	<b>Endocrinology</b> Disorders of the Anterior Pituitary & Hypothalamus	<b>Practical Pathology</b> Breast Fibroadenomas, Breast Carcinoma, Hydatidiform mole, Choriocarcinoma 1 <sup>st</sup> Category
Wednesday	2018/07/04	<b>Theoretical pathology</b> Pathology of Endocrine Disorders	<b>Endocrinology</b> Adrenal Cortex Disorders	<b>Practical Pathology</b> Breast Fibroadenomas, Breast Carcinoma, Hydatidiform mole, Choriocarcinoma 2 <sup>nd</sup> Category
Thursday	2018/07/05			
Friday	2018/07/06	<b>Public Holiday</b>		
Saturday	2018/07/07	<b>Theoretical pathology</b> Pathology of Endocrine Disorders	<b>Endocrinology</b> Adrenal Cortex Disorders	
Sunday	2018/07/08	<b>Endocrinology</b> Posterior Pituitary Disorder	<b>Endocrinology</b> Dyslipidemia	<b>Theoretical pharmacology</b> Thyroid Hormones & Anti-Thyroid Drugs Pancreatic Hormones & Anti-Diabetic Drugs Dr. Rezayat
Monday	2018/07/09	<b>Public Holiday</b>		
Tuesday	2018/07/10	Simple & Multinodular Goiters, Nodules of Thyroid Cancer	<b>Endocrinology</b> Diabetes: Definition, Diagnosis & Classification	<b>Practical Pathology</b> Breast Fibroadenomas, Breast Carcinoma, Hydatidiform mole, Choriocarcinoma 3 <sup>rd</sup> Category
Wednesday	2018/07/11	Acute Complications of Diabetes Mellitus, Diabetic Ketoacidosis, Hyperosmolar Hyperglycemic Nonketotic Coma	<b>Immunology</b> Hirsutism & Amenorrhea	<b>Practical pathology</b> Endometrial Hyperplasia, Endometrial Carcinoma, Ovarian Follicular Cyst, Ovarian Carcinoma 1 <sup>st</sup> Category
Thursday	2018/07/12			
Friday	2018/07/13	<b>Public Holiday</b>		

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<b>Saturday</b>	<b>2018/07/14</b>	<b>Endocrinology</b> Chronic Complications Of Diabetes	<b>Endocrinology</b> Thyroiditis and Hypoglycemia		<b>Practical pathology</b> Endometrial Hyperplasia, Endometrial Carcinoma, Ovarian Follicular Cyst, Ovarian Carcinoma 2 <sup>nd</sup> Category
<b>Sunday</b>	<b>2018/07/15</b>	<b>Endocrinology</b> Hypocalcemia, Hypercalcemia	Osteomalacia, Osteoporosis		<b>Practical pathology</b> Endometrial Hyperplasia, Endometrial Carcinoma, Ovarian Follicular Cyst, Ovarian Carcinoma 3 <sup>rd</sup> Category
<b>Monday</b>	<b>2018/07/16</b>	Hypo-Thyroidism & Hyper-Thyroidism	Gonadal Disorders (Male Hypogonadism)	<b>Endocrinology</b> , Metabolic syndrome, Obesity	<b>Practical Pathology</b> Multinodular Goiter, Hashimoto's <a href="#">Thyroiditis</a> , Thyroid Carcinoma 1 <sup>st</sup> Category
<b>Tuesday</b>	<b>2018/07/17</b>	<b>Endocrinology</b> The Role of Nuclear Medicine in Diagnosis & Management of Endocrine Disorders	Case- Based Discussion		<b>Practical Pathology</b> Multinodular Goiter, Hashimoto's <a href="#">Thyroiditis</a> , Thyroid Carcinoma 2 <sup>nd</sup> Category
<b>Wednesday</b>	<b>2018/07/18</b>	<b>Theoretical pharmacology</b> Corticosteroids Dr. Shafaroudi	<b>Theoretical Pharmacology</b> Calcium Homeostasis Drugs Dr. Dehpour		<b>Practical Pathology</b> Multinodular Goiter, Hashimoto's <a href="#">Thyroiditis</a> , Thyroid Carcinoma 3 <sup>rd</sup> Category

Venue	Clinical introduction	Case- Based discussion	Pathology	Pharmacology	Immunology	Practical Pathology
	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Tebbe Tajrobi Hall	Medical Faculty: Dastani Hall	Medical Faculty: Habibi Hall



## Schedule of the Pathophysiology of Gastroenterology

		8:30 – 10:30	10:30 – 12:30		13:30 – 15:30
Sunday	2018/07/29	<b>Theoretical pathology</b> Liver, Biliary Tracts & Pancreas Disorders	<b>Gastrointestinal Diseases</b> Liver Tests Interpretation	<b>Gastrointestinal Diseases</b> Malabsorption Syndrome Acute and chronic Diarrhea	
Monday	2018/07/30	<b>Theoretical Pathology</b> Liver, Biliary Tracts & Pancreas Disorders	<b>Gastrointestinal Diseases</b> Acute & Chronic Hepatitis		Immunology of Liver & Gastrointestinal Diseases
Tuesday	2018/07/31	<b>Theoretical Pathology</b> Liver, Biliary Tracts & Pancreas Disorders	<b>Gastrointestinal Diseases</b> Fatty Liver	<b>Gastrointestinal Diseases</b> Gallstones, Cholestasis ( PSC , PBC)	<b>Theoretical Pharmacology</b> Histamine & Histamine Antagonist Drugs Dr. Dehpour
Wednesday	2018/08/01		<b>Gastrointestinal Diseases</b> Tumors of the Small Intestine and Colon & GIB		<b>Theoretical Pharmacology</b> Serotonin & Serotonin Antagonist Drugs
Thursday	2018/08/02				
Friday	2018/08/03	Public Holiday			
Saturday	2018/08/04	<b>Theoretical Pathology</b> Pathology of Gastrointestinal Diseases	Dyspepsia & Tumors of Stomach & Esophageal		
Sunday	2018/08/05	<b>Theoretical Pathology</b> Pathology of Gastrointestinal Diseases	Acute and Chronic Pancreatitis		
Monday	2018/08/06	<b>Theoretical Pathology</b> Pathology of Gastrointestinal Diseases	Gastritis, Helicobacter Pylori, NSAID- related gastrointestinal complications		
Tuesday	2018/08/07	<b>Theoretical Pathology</b> Pathology of Gastrointestinal Diseases	Irritable Bowel Syndrome (IBS)& Chronic Abdominal Pain		<b>Practical pathology</b> Hemorrhoid Juvenile Polyposis Syndrome Adenocarcinoma of Stomach or Colon 1 <sup>st</sup> Category
Wednesday	2018/08/08	Inflammatory Bowel Disease	Esophagus Disorders		<b>Practical pathology</b> Hemorrhoid Juvenile Polyposis Syndrome Adenocarcinoma of Stomach or Colon 2 <sup>nd</sup> Category
Thursday	2018/08/09				

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Friday	2018/08/10	<b>Public Holiday</b>				
Saturday	2018/08/11	<b>Gastrointestinal Diseases</b> Cirrhosis of Liver & its Complications	Peptic Ulcer & Gastroesophageal reflux and Esophagitis		<b>Practical pathology</b> Hemorrhoid Juvenile Polyposis Syndrome Adenocarcinoma of Stomach or Colon 3 <sup>rd</sup> Category	
Sunday	2018/08/12	Pharmacology: Gastrontestinal Medicine Dr. Jahangiri	<b>Immunology</b> Immunology and Nutrition		<b>Practical Pathology</b> Pleomorphic Adenoma of Salivary Gland, Cirrhosis & Liver Carcinoma (Hepatocellular Carcinoma) 1 <sup>st</sup> Category	
Monday	2018/08/13	Cancers of the Pancreas, Gall Bladder and Liver	Ascites, Peritoneal Disorders Intestinal & Peritoneal Tuberculosis	Wilson's Disease and Hemochromatosis		<b>Practical Pathology</b> Pleomorphic Adenoma of Salivary Gland, Cirrhosis & Liver Carcinoma (Hepatocellular Carcinoma) 2 <sup>nd</sup> Category
Tuesday	2018/08/14	AIH and Drug-induced hepatitis	Parasitic infections of the gastrointestinal tract and Hydatid Cysts	Case Based-Discussion		<b>Practical Pathology</b> Pleomorphic Adenoma of Salivary Gland, Cirrhosis & Liver Carcinoma (Hepatocellular Carcinoma) 3 <sup>rd</sup> Category

Venue	Clinical introduction	Case- Based discussion	Pathology	Pharmacology	Immunology	Practical Pathology
	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Dastani Hall	Medical Faculty: Tebbe Tajrobi Hall	Medical Faculty: Dastani Hall	Medical Faculty: Habibi Hall