Internal Medicine (10h)

1	Arrhythmias.			
2	Valvular heart diseases.			
3	Heart failure.			
4	Acute coronary syndrome.			
5	Rheumatic heart disease.			
6	Heart failure prognosis & management.			
7	Infective endocarditis.			
8	Bronchial asthma.			
9	Cough.			
10	Pulmonary embolism.			
11	Chronic obstructive lung disease & bronchiectasis.			
12	Investigation of lung disease.			
13	Community acquired pneumonia.			
14	Pleural effusion.			
15	Diabetic nephropathy.			
16	Hypertension.			
17	Electrolyte imbalance (Sodium & water) I.			
18	Acid base disorders.			
19	Electrolyte imbalance (potassium & calcium).			
20	Acute kidney injury.			
21	Chronic kidney injury.			
22	Glomerular diseases.			
23	Electrolyte imbalance (Sodium & water) II.			
24	Abdominal pain include IBS.			
25	Acute viral hepatitis.			
26	Gastrointestinal bleeding.			
27	Liver cirrhosis & complication.			
28	Esophageal diseases.			
29	Chronic diarrhea.			
30	Abnormal Liver enzymes with selected common liver diseases			
31	Inflammatory bowel disease.			

❖ **Distribution of marks:**

MCQs:		Long case:	OSCE:	DXR:
Mid:	Final:			
20	30	15	30	5

Notes:

General Surgery (8h)

❖ Lectures:				
1,2	Emergency in urology			
3	Atherosclerosis, (PAD + carotid stenosis) Acute Limb Schemia			
4	Adult urinary tract disorders			
5	Presentation & management of common thoracic diseases			
6	Sterilization & operating room setup			
7	Shock and metabolic response to surgery			
8	Cardiac surgical disease			
9	Surgical infections & antibiotics			
10	Common urogenital tumors incl. Adrenals			
11	Vascular Investigations			
12	Atherosclerotic disease			
13	Wound healing and wound infection/injuries due to burn			
14	IV fluids and acid base disorder			
15	Pediatric inguinal & scrotal conditions			
16	Blood products and transfusion			
17	Pediatric urinary disorders.			
18	Acute Abdomen (perforated DU,SBO,mesenteric ischemia, appendicitis)			
19	Esophageal diseases			
20	Approach to Surgical Abdominal Problem in Pediatric			
21	Stomach & duodenum			
22	Differential diagnosis of abdominal masses & abdominal hernias			
23	Portal hypertension& common surgical diseases of the liver			
24	Colorectal cancer			
25	Anorectal conditions			
26	Inflammatory bowel disease (IBD)			
27	Pancreatic problems			
28	Biliary obstruction and Biliary stones			

❖ Distribution of marks:				
MCQs (40) :		OSCE (55) :		Log Book:
Mid:	Final:	Mid OSCE:	OSCE:	5
20	20	15	40	

Notes:

Community Medicine (4h)

❖ Lectures:				
1	Introduction to community medicine.			
2	Terminology in public health.			
3	Epidemiological triad.			
4	Natural history of disease.			
5	Health indicators.			
6	Introduction of communicable disease epidemiology.			
7	Concepts of prevention & control of communicable disease			
8	Epidemiology of influenza.			
9	Principles of immunizations.			
10	Compulsory vaccination in KSA.			
11	Epidemiology of HIV\AIDs.			
12	Epidemiology of hepatitis.			
13	Hajj and health.			
14	Epidemiology of tuberculosis.			
15	Epidemiology of Ebola virus.			
16	Epidemiology of malaria.			
17	Outbreak investigations.			
18	Reporting & surveillance.			
19	Screening.			
20	Demography concepts & population pyramid.			
21	Population dynamic & demographic trancsition.			
22	Introduction to non-communicable diseases.			
23	Tobacco use.			

❖ Tutorials :				
1	Medicine health indicators.			
2	Outbreak investigations.			
3	Notification \ reporting & surveillance.			
4	Screening.			
5	Demography (Rates & population pyramid)			

❖ Distribution of marks:			
MCQs (40) :		Quizzes:	Seminar (10) :
Mid:	Final:	10	*5 → presentation. *5 → report.
40	40		

Notes:

 Radiology (2h)

❖ Lectures:				
1	Introduction to radiology			
2	Contrast media and safety in radiology			
3	Radiological anatomy of the cardiorespiratory			
4	Radiological anatomy of the cardio-respiratory			
5	Radiology of the respiratory diseases			
6	Radiology of the cardiac diseases			
7	Radiology of the cardiorespiratory diseases (interactive lecture)			
8	Radiological anatomy and investigations of urinary system			
9	Radiology of urinary system diseases			
10	Radiology of urinary system diseases (interactive lecture)			
11	Radiological anatomy and investigation of the GIT			
12	Radiological and investigation of hepato-biliary system			
13	Radiology of diseases of the gastrointestinal tract			
14	Radiology of diseases of the hepato-biliary system			
15	Interactive lecture of the gastrointestinal and hepato-biliary system			

❖ Distribution of marks:			
MCQs (40) :		**Quizzes:**	
Mid:	**Final:**	**1st term:**	**2nd term:**
50	40	5	5

Notes:

Research (6h)

❖ Lectures:				
1	Introduction to research methods.			
2	How to develop a research protocol.			
3	Research question, objectives and hypothesis.			
4	Ethics in health research.			
5	Measure of disease frequency, effect and impact.			
6	Cross sectional study design.			
7	Introduction to study design.			
8	Case control study design.			
9	Cohort study design.			
10	Experimental study design.			
11	What is plagiarism and how to avoid it?			
12	Writing an introduction of a research protocol.			
13	Qualitative study designs.			
14	Tools for data collection: using questionnaire & other tools.			
15	Samplining techniques.			
16	Sample size estimation.			
17	How to write materials & methods section of a research protocol.			
18	IRB application for ethical approval.			
19	Basic concepts and terminology in biostatistics.			
20	Descriptive data I.			
21	Descriptive data II.			
22	Statistical significance data I.			
23	Statistical significance data II.			
24	Statistical tests for quantitative variables.			
25	Data interpretation.			
26	How to write result & discussion?			
27	Scientific writing and report writing.			

Notes:

Research (6h)

❖ Practical :				
1	Research question.			
2	How to do literature search.			
3	Measuring risk incidence & prevalence.			
4	Odds ratio & minimizing bias.			
5	Relative risk and confounding factors.			
6	Designing questionnaire & study tools.			
7	Selection of a study design.			
8	How to apply sampling techniques.			
9	How to calculate sample size.			
10	How to write study methods.			
11	How to apply to IRB for ethical approval.			
12	How to describe your data.			
13	Using appropriate statistical tests.			
14	How to use SPSS for data management?			
15	Data interpretation.			

Notes:

❖ Distribution of marks:							
MCQs (40) :		Continuous assessment:					
Mid:	Final:	Protocol (by supervisor)	Ethical review clearance:	Final report (20):	Presentation	Assignments:	Quizzes:
15	25	10	5	*10 (supervisor) *10 (CM review committee)	5	10	10

Informatics (2h)

❖ Lectures:					
1	Introduction to Medical Informatics				
2	Clinical Data, Databases and Big Data				
3	Electronic Health Record				
4	CPOE				
5	DSS				
6	Ethics and Confidentiality				
7	Consumer Health Informatics				
8	Reducing Medical Error				
9	Imaging Informatics				

❖ Tutorials :					
1	Introduction to Medical Informatics				
2	Clinical Data				
3	Electronic Health Record				
4	CPOE				
5	DSS				
6	Ethics and Confidentiality				
7	Consumer Health Informatics				
8	Reducing Medical Error				
9	Imaging Informatics				

❖ workshops:					
1	Patient Safety				
2	Appraisal				
3	E-Sihi				
4	Clinical Informatics vs. career				

Notes:

❖ Distribution of marks:				
MCQs (60) :		Workshop attendance:	Online quiz:	CIS project:
Mid:	Final:	10 2 --> tutorial 8 -→ workshop	10	20
20	40			

Studying schedule

Week 1: Introductory week. (7 lectures).

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
0	1	2	1	2	1	0
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 2: Introductory week. (8 Lectures + 2 Ps)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
0	1	2	2 "1 is T"	2	1	2 Research
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 3: Cardiorespiratory (11 Lectures + 2 Ps)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
1	2	1	2 "1 is T"	3	1	*1 Research *1 Community T
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 4 Cardiorespiratory (11 Lectures + 1 Practical)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
3	1	2	2 "1 is T"	1	1	*1 Research
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Studying schedule

Week 5: Cardiorespiratory (15 Lectures + 1 Practical)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
3	2	3	2 "1 is T"	4	1	*1 Research
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 6: Cardiorespiratory (12 Lectures)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
4	2	1	2 "1 is T"	2	1	0
Sun: Research Mid	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 7: Cardiorespiratory (13 Lectures + 3 Practical)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
3	2	2	2 "Both T"	3	1	*3 Research
Sun: Info Mid	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 8 Nephrology (9 Lectures + 3 Practical)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
2	2	0	2	2	1	*3 Research
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Studying schedule

Week 9: Nephrology (11 Lectures + 1 Practical)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
4	2	1	1"Workshop"	2	1	*1 Research
Sun:	**Mon:**	**Tues:**	**Wednes:**	**Thurs:**	**Fri:**	**Sat:**

Week 10: Nephrology (10 Lectures).

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
2	1	2	2 "1 is T"	2	1	0
Sun:	**Mon:**	**Tues:**	**Wednes:**	**Thurs:**	**Fri:**	**Sat:**

Week 11: GI (9Lectures).

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
2	2	2	2 "Both are T"	0	1	0
Sun:	**Mon:**	**Tues:**	**Wednes:**	**Thurs:**	**Fri:**	**Sat:**

Week 12 GI (9 Lectures + 2 Community tutorial)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
4	2	0	1"Workshop"	1	1	*2 Community T
Sun:	**Mon:**	**Tues:**	**Wednes:**	**Thurs:**	**Fri:**	**Sat:**

Studying schedule

Week 13: GI. (8 lectures + 1 community tutorial)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
2	3	1	1"Workshop"	0	1	*1 Community T *2 Research
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 14: GI. (14Lectures + 1 Community tutorial)

Medicine:	Surgery:	Community:	Informatics:	Research:	Radiology:	Practical:
0	4	4	1"Workshop"	3	2	*1 Research *1 Community T
Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:

Week 15: Examination.

Sun:	Mon:	Tues:	Wednes:	Thurs:	Fri:	Sat:
Medicine MID. (24-12-2017)		Radiology MID. (26-12-2017)				

Week 16: Examination.

Sun:	Mon:	Tues:	Wendnes:	Thurs:	Fri:	Sat:
Surgery MID. (31-12-2017)			Surgery OSCE *F* (3-1-2018)	Surgery OSCE *M* (4-1-2018)		

Week 17: Examination.

Sun:	Mon:	Tues:	Wendnes:	Thurs:	Fri:	Sat:
Research Final. (7-1-2018)		Community MID. (9-1-2018)		Info. Final. (11-1-2018)		

Week 18: Mid-year vacation.

*Contact me regarding any issues: Shahad.n.f.e@gmail.com

Done by: Shahad AlEnezi.

Notes: