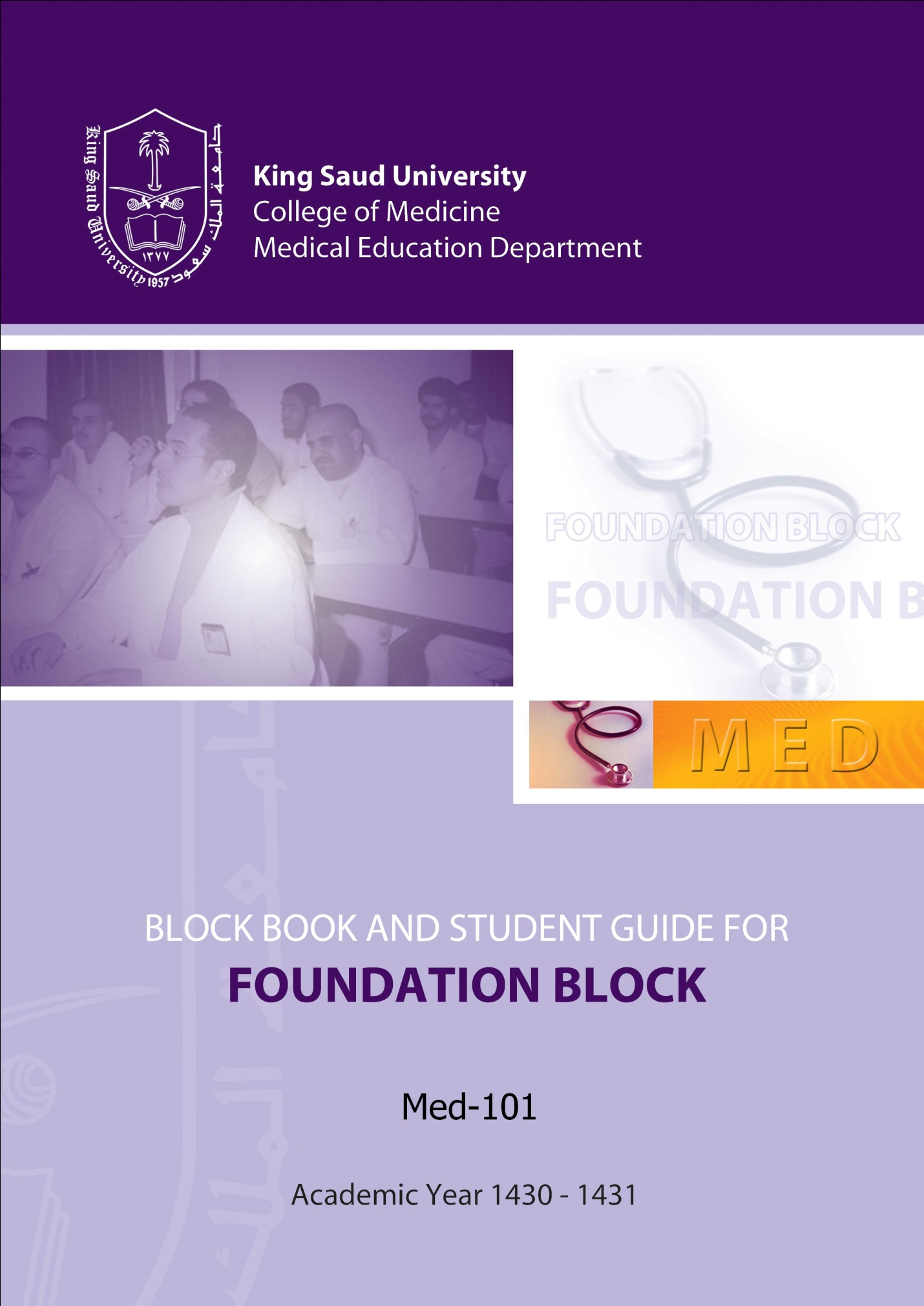
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**Academic Year 1434 - 1435**

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**King Saud University**

**College of Medicine**

**Department of Medical Education**

**THE FOUNDATION BLOCK**

**Year One**

**BLOCK BOOK AND STUDENT GUIDE**

**(1 September 2013 to 28 November 2013)**

**MALE A GROUP**

**1434-1435**

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**A Message from the Dean**

We are pleased with your progress in the medical program and your achievements. Being a first year medical students is a great opportunity for you to consolidate what you have learnt in the preparatory year and prepares you for the clinical skills and competencies needed in the clinical years. The Department of Medical Education through its different units is working hard to create an integrated and innovative curriculum that builds on the changes introduced in the preclinical years and enforces best teaching/learning approaches in the design of the new medical curriculum. As you are aware, the College of Medicine at King Saud University is one of the best colleges not just in the Kingdom of Saudi Arabia but proved to be one of the best in the gulf region, and the Middle East. It also has its international influence among the best colleges of medicine worldwide. This makes us proud of our achievements and provides you with an insight about the quality of teaching and research that we have reached and our continuous work to maintain our standards.

Therefore, the medical curriculum aims at preparing you and equipping you with the best training and clinical skills to become a medical graduate that fulfils the highest international standards. Therefore, the focus of the curriculum is to enhance a number of skills such as case-based learning, critical thinking, self-directed learning, deep understanding of concepts, application of knowledge learnt, and how to make decisions on the basis of evidence. The curriculum also aims at enhancing your skills in areas such as professionalism, e-learning, task-based learning, and preparing you for life-long learning. The design of the curriculum encourages small group learning, use of cases for discussion, lectures, student-led seminars, bed-side teaching, task-based learning, use of multimedia and e–learning as modes for teaching and learning. The use of wide range of teaching and learning modes and small group discussion will help you to become active learners, and work with other students in your group as a team.

I wish you all the best during your academic year and would encourage all of you to get the best out of the teaching and learning opportunities provided to you during this year. Our teaching staff and clinicians would be very happy to help you on any issue that you need help with.

**Dr. Fahad Abdullah AlZamil**

**Dean, College of Medicine and the Supervisor of University Hospitals**

**A Message from the Foundation Block Chair**

This module is designed as a bridge between your previous training and the system modules which will follow for the first two years. You will know some basic concepts in medical sciences to prepare you for the integrated system modules. You will understand the basic structure and functions of human body and you will also know the basic concepts of disease, which is a disturbance of this basic structure and function. For example you will briefly know about infectious agents and the processes by which diseases occur.

Besides providing a basic level of medical science knowledge, the course will also teach you how to retrieve and evaluate information, and apply them to practice.

In the present course you will get your first experience of learning in small group discussions. This approach of learning will increasingly be utilized in the forthcoming system modules. In the traditional teaching methods students have to remember a lot of details without knowing the uses of this knowledge in their future career. Therefore, we have included in this block and other blocks “Small group learning sessions” where you will work with other students in your group and learn about applications of basic sciences in real life situations.

You will have hours dedicated for “self-directed learning “ These are not breaks and are not gaps but are counted in your learning hours . You are expected to utilize them fully and exclusively for self-directed learning. It would be your responsibility to make maximum use of this time.

Other teaching and learning opportunities are based on lectures. However, our intention is to make the teaching process more participatory and interactive. Some classes will be in the form of seminars in which student participation and leadership of discussion would be crucial.

The Foundation Block covers many disciplines and aims at preparing you for all the body systems that will follow. Bearing this in mind, the course has required a great deal of work and liaison with different departments and staff members and has to accommodate a wide range of skills in an integrated way. Experts in medical education have been consulted and the international experiences with similar courses were taken into account. We would be looking forwards to having feedback and constructive comments from students and teaching staff. As the foundation block chair I would encourage every one of you to use each learning opportunity in this block to foster your learning.

Best wishes

**Professor Ahmed Awadh Adeel**

**Foundation Block Chair**

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| --- | --- |
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**GENERAL INFORMATION:**

Block Title : Foundation Block

Block Code & Number : Found111

Credit Hour : 10

Block Duration : 12 Weeks

Block Dates : 1st September 2013 – 28th November 2013

Block Chairman : Prof. Ahmed Awadh Adeel

**Foundation Block**

**Tutors Information**

**Year 1 Male Group A**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Department | Extension | Mobile | E-mail |
| Prof. Saeed Abuelmakarem | **Anatomy** | 71307 | 0556439341 | [sabuelmakarem@ksu.edu.sa](mailto:sabuelmakarem@ksu.edu.sa)  [saaedmakarem@hotmail.com](mailto:saaedmakarem@hotmail.com) |
| Dr. Essam Eldin Salama | 99330 | 0592871734 | [esalama@ksu.edu.sa](mailto:esalama@ksu.edu.sa) [/essamco58@yahoo.co.uk](mailto:/essamco58@yahoo.co.uk)  [essamco58@gmail.com](mailto:essamco58@gmail.com) |
| Prof. Ahmed Fatalla | 71314 | 0501562983 | [ahmedfathala@hotmail.com](mailto:ahmedfathala@hotmail.com) |
| Dr. Khaleel Ibrahim Alyahya | 71499 | 0555292006 | [khaleelya@gmail.com](mailto:khaleelya@gmail.com) |
| Dr. Mohammed Vohra | 99329 | 0508845648 | [vohra@ksu.edu.sa](mailto:vohra@ksu.edu.sa) |
| Dr. Usman Ghani | **Biochemistry** | 90140 | 0551596921 | [ugresearch@hotmail.com](mailto:ugresearch@hotmail.com) |
| Dr. Amr Moustafa | 71345 | 0551662971 | [amrsm@hotmail.com](mailto:amrsm@hotmail.com) /  [amrsm@ksu.edu.sa](mailto:amrsm@ksu.edu.sa) |
| Prof. Sulaiman Al Shammary | **Family & Community Medicine** | - | 0505424049 | [sulaiman@ksu.edu.sa](mailto:sulaiman@ksu.edu.sa) |
| Dr. Ali Mohammed | **Histology** | 79034 | 0556751503 | alymahmed53@hotmail.com |
| Dr. Mohammed Atteya | 79554 | 0560773248 | atteya.m@gmail.com |
| Dr. Muhammad Faiyaz Ul-Haque | **Human Genetics** | 99377 | 0569807675 | mfhaque@ksu.edu.sa,  fmrz1@hotmail.com |
| Dr. Adel Almogren | **Immunology** | 71843 | 0506252756 | almogren@ksu.edu.sa |
| Prof. Zahid Shakoor | 71299 | 0535067623 | shakoor\_zahid@yahoo.com |
| Dr. Hamza Abdulghani | **Medical Education** | 99177 | 0505442859 | hamzaabg@gmail.com |
| Prof. Samy Azer | 99178 | 0542307075 | [sazer@ksu.edu.sa](mailto:sazer@ksu.edu.sa) |
| Dr. Mahmoud Salah | 99391 | 0553479116 | msalah28@hotmail.com |
| Mr. Diab Mahmoud | - | - | diabmah@gmail.com |
| Dr. Amr Jamal | 90822 | 0555499975 | amrjamal@ksu.edu.sa |
| Dr. Abdulaziz Saleh Al-Khattaf | **Microbiology** | 79208 | - | alkhattaf@hiotmail.com |
| Prof. Ahmad Awadh Adeel | 71013 | 0502450641 | aadeel@ksu.edu.sa |
| Prof. Abdelmageed Mohammed Kambal | 71522 | 0503203391 | kambal@ksu.edu.sa |
| Dr. Ali Mohammed Somily | 72640 | 0558830516 | ali.somily@gmail.com |
| Dr. Abdulkareem Al-Hetheel | 71523 | 0560793999 | [aalhetheel@ksu.edu.sa](mailto:aalhetheel@ksu.edu.sa)  abdulkarimfahad@hotmail.com |
| Dr. Ahmed Al-Barrag | 90818 | 0533376765 | [aalbarrag@ksu.edu.sa](mailto:aalbarrag@ksu.edu.sa) /  aalbarraq2@hotmail.com |
| Prof. Ammar Al-Rikabi | **Pathology** | 71893 | 0541842840 | [Ammar\_rikabi12@yahoo.com](mailto:Amma_rikabi12@yahoo.com) |
| Dr. Abdulmalik Al Sheikh | 71065 | 050587705 | dralsheikh@hotmail.com |
| Dr. Marie Mukhashin |  |  |  |
| Dr. Ahmed Al Humaidi |  |  | ahmedbgj@hotmail.com |
| Dr. Osama Yousef | **Pharmacology** | 71327 | 0554971409 | oymjahrasoul@hotmail.com |
| Dr. Ishfaq Bukhari | 71325 | 0534591602 | ishfaqbukhari@yahoo.com |
| Dr. Abdulatif Al Mahaser | 71351 | 0508729177 | almahesar57@hotmail.com |
| Prof. Abdulqader Al-Haider | 71346 | 0505281200 | aqahaider@hotmail.com |
| Dr. Taha Sadig Ahmed | **Physiology** | 71606 | 0502226850 | [tahasa99@yahoo.com](mailto:tahasa99@yahoo.com) |
| Dr. Abdulmajeed Al Drees |  | 0568639806 | adrees@ksu.edu.sa |
| Dr. Mohammed Fahad Alotaibi | - | 0504225889 | mfalotaibi@ksu.edu.sa |

**WELCOME**

**Dear Students,**

**We are pleased to welcome you in the College of Medicine, Foundation Block Attachment. We hope you will find this block both useful and enjoyable.**

**Dr. Sami Al-Nassar**

**ccccc**

**Chairman of**

**List of the Problem-Based Learning Cases**

The table below summarises the PBL cases to be discussed in the Foundation Block.

|  |  |  |
| --- | --- | --- |
| **Week** | **Case No.** | **Case title** |
| Week 1 | NO CASE | |
| **Week 2 (Sunday & Wednesday)** | **Case 1** | **“…He suddenly collapses “** |
| Week 3 | NO CASE | |
| **Week 4 (Sunday & Wednesday)** | **Case 2** | **“ My mouth is dry “** |
| **Week 5 (Sunday & Wednesday)** | **Case 3** | **“… I love my Roller-skiing “** |
| Week 6 – 12 | NO CASE | |

**Instructions:**

The cases listed above will be discussed by students in their small groups. Each group is about 8 to 12 students. Each case will be discussed in two tutorials, on Saturday and Tuesday. Each tutorial is two hours long.

**Attendance of Small Group Learning tutorials:**

Students must attend all small group learning tutorials. If a student is not well, he/she needs to provide a medical certificate from their family doctor. If a student misses out to attend four tutorials, without acceptable reason, he/she might not be allowed to attend the final examination.

**Students Roles in Small Group Learning Tutorials:**

The design of the curriculum encourages small group discussion and student-centered learning. To achieve these goals there is a need for establishing good group dynamics, interpersonal skills, and effective communication. These elements will ensure that learning is an enjoyable process and rewarding to each member in the group. Therefore, students play a vital role in making a difference in their groups. To achieve these changes and improve your learning outcomes, We recommend that you use the paper by Professor Samy Azer, titled “Becoming a Student in a PBL Tutorial”, a copy is enclosed in the Appendix. Your continuous reflection on these tips and working on identifying your role in your group will help you in reaching these goals and building up your group.

**Objectives of the Block**

By the end of the course, students should be able to:

* Understand the relationship between the structures of the different components of the cell and their functions.
* Understand the structure and functions of the different body systems and integrate knowledge from Anatomy, Histology, Physiology, Biochemistry, and Immunology.
* Identify major microorganisms affecting the human body and discuss their pathological effects.
* Develop effective communication skills and explore biopsychosocial, and ethical issues in their assessment of the case.
* Use a wide range of resources in researching their learning issues and developing their self-directed skills.
* Use clinical cases to apply knowledge learnt, generate hypotheses, build an enquiry plan, and use evidence to refine their hypotheses, and justify different views.

**Teaching and Learning Modes:**

In an integrated curriculum like our curriculum, we use a wide range of teaching and learning strategies to ensure that learning meets the different needs of the students. These strategies include:

* Small group discussion
* Lectures
* Student-led seminars
* Practical classes.
* Clinical skills
* Independent learning
* Writing an essay or mini thesis.

**Schedule of the block**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week 1 - FOUNDATION BLOCK (Male-Group A)** | | | | |
| **Week (1 ) Starting: 01/09/2013 (25/10/1434H)**  **Becoming a Medical Student** | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | |
| **Sunday**  **01 September 2013** | **Monday**  **02 September 2013** | **Tuesday**  **03 September 2013** | **Wednesday**  **04 September 2013** | **Thursday**  **05 September 2013** |
| **8:00 - 9:00 am**  Introduction to the Foundation Block  **Prof Adeel**  **Dr. Hamza** | **8:00 - 9:00 am**  Anatomical terms and skeletal system.  **(Anatomy)**  **Prof. Ahmed Fathalla** | **8:00 - 9:00 am**  Skeletal muscles  **(Anatomy)**  **Dr. Khaleel Alyahya** | **8:00 - 9:00 am**  Joints  **(Anatomy)**  **Prof. Saeed Abuelmakarem** | **8:00 - 9:00 am**  Protein structure  **(Biochemistry)**  **Dr. UsmanGhani** |
| ORIENTATION  **( Main Auditorium )**  **8:00am to 4:00pm** | **9:00-10:00 am**  **Foundation Block**  **Orientation** | **9:00 - 10:00 am**  **Learning Skills**  Introduction to learning skills course  **Dr. Hamza Abdulghani** | **9:00 -11:00am**  **(Practical)**  Skeletal muscles and joints  **(Anatomy)**  Room 118  1st Floor  **All staff** | **9:00 - 10:00 am**  Homeostasis (1)  **(Physiology)**  **Dr. Abdulmajeed Aldrees** |
| **10:00-11:00am**  Body fluids and electrolytes  **(Physiology)**  **Dr. Abdulmajeed Aldrees** | **10:00 - 11:00 am**  **Learning Skills**  Becoming a PBL  student Year 1  **Prof. Samy Azer** | **10:00 - 11:00am**  Cell Membrane Structure and Transport Across Cell Membrane  **(Physiology)**  **Dr. Abdulmajeed Aldrees** |
| **11:00-12:00 pm**  Histological microtechnique; cell structure  **(Histology)**  **Dr. Aly Mohammed** | **11:00-12:00 pm**  Self-directed  learning | **11:00-12:00 pm**  Amino acids.  **(Biochemistry)**  **Dr. Usman Ghani** | **11:00-12:00 pm**  **Learning Skills:**  Introduction to the reformed curriculum  **Dr. Hamza Abdulghani** |
| **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** |
| **1:00-3:00 pm**  **(Practical)**  Histological microtechnique;  cell structure  **(Histology)**  **Room 122 1st Floor**  **All staff** | **1:00-3:00 pm**  **(Practical)**  Skeletal system.  **(Anatomy)**  Room 118  1st Floor  **All staff** | **1:00-2:00 pm**  **Learning Skills**  Blackboard  Training  **Mr. Diab** | **1:00-3:00 pm**  **Salam** |
| **2:00-3:00 pm**  Self-directed  learning |

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| **Week 2 - FOUNDATION BLOCK (Male-A)** | | | | |
| **Week ( 2 ) Starting: 08/09/2013 ( 02/11/1434H)**  **Body Systems** | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | |
| **Sunday**  **08 September 2013** | **Monday**  **09 September 2013** | **Tuesday**  **10 September 2013** | **Wednesday**  **11 September 2013** | **Thursday**  **12 September 2013** |
| **8:00 - 10:00 am**  **Problem-based**  **Learning**  **Case 1 Tutorial 1** | **8:00 - 9:00 am**  Epithelial tissues  **(Histology)**  **Dr. Mohammed Atteya** | **8:00 - 9:00 am**  Self-directed  learning | **8:00 - 10:00 am**  **Problem-based**  **Learning**  **Case 1 Tutorial 2** | **8:00 - 9:00 am**  Self-directed  Learning |
| **9:00 - 10:00 am**  Homeostasis (2)  **(Physiology)**  **Dr. Abdulmajeed Aldrees** | **9:00-10:00 am**  Introduction to the Nervous system **(Anatomy)**  **Dr. Khaleel Alyahya** | **9:00 - 10:00am**  Self-directed  learning |
| **10:00 - 11:00am**  Gametogenesis; ovarian and uterine cycles  **(Embryology)**  **Prof. Saeed Abuelmakarem** | **10:00 - 11:00 pm**  Self-directed  learning | **10:00-11:00am**  Composition and function of blood  **(Physiology)**  **Dr. Mohammad Al Otaibi** | **10:00-12:00pm**  **(Practical)**  Nervous system  **(Anatomy)**  Room 122  1st Floor  **All staff** | **10:00 - 11:00am**  Bacterial  structure and genetics  **(Microbiology)**  **Dr. Al- Khattaf** |
| **11:00-12:00 pm**  Introduction to digital library  **Mr. Diab Mahmoud** | **11:00-12:00 pm**  Introduction to molecular biology (DNA & RNA)  **(Biochemistry)**  **Dr. Usman Ghani** | **11:00-12:00 pm**  PAP Orientation  ( Professor Assistant Program )  **(Student representative)** | **11:00-12:00 pm**  Fertilization and implantation  **(Embryology)**  **Prof. Saeed Abuelmakarem** |
| **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** |
| **1:00-2:00 pm**  Introduction to molecular biology  ( Nucleotide and DNA language )  **(Biochemistry)**  **Dr. Usman Ghani** | **1:00-2:00 pm**  **Learning Skills:**  Time management  **Dr. Mahmoud Salah** | **1:00-3:00pm**  **(Practical)**  Epithelial tissue  **(Histology)**  Room 122  1st Floor  **All staff** | **1:00-2:00 pm**  Structure and functions of carbohydrates  **(Biochemistry)**  **Dr. Amr Moustafa** | **1:00-3:00 pm**  **Salam** |
| **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Autonomic nervous system I  **(Physiology)**  **Dr. Taha Sadig** |

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| **Week 3 - FOUNDATION BLOCK (Male-A)** | | | | |
| **Week ( 3 ) Starting: 15/09/2013 (09/11/1434H)**  **Organs and Cells-1** | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | |
| **Sunday**  **15 September 2013** | **Monday**  **16 September 2013** | **Tuesday**  **17 September 2013** | **Wednesday**  **18 September 2013** | **Thursday**  **19 September 2013** |
| **8:00 - 9:00 am**  Erythropoiesis  **(Physiology)**  **Dr. Mohammad Al Otaibi** | **8:00 - 9:00 am**  Introduction to the cardiovascular system  **(Anatomy)**  **Dr. Khaleel Alyahya** | **8:00 - 9:00 am**  Autonomic nervous  system I  **(Anatomy)**  **Prof. Ahmed Fathalla** | **8:00 - 9:00 am**  **(Learning Skills)**  Introduction to Evidence-based medicine  **Dr. Hamza Abdulghani** | **8:00 -10:00 am**  **(Practical)**  Connective tissue proper  **(Histology)**  Room 122  1st Floor  **All staff** |
| **9:00-10:00 am**  **Learning Skills:**  Learning how to learn-General principles  **Dr. Hamza Abdulghani** | **9:00 - 10:00 am**  Cellular accumulation and Pathological calcification  **(Pathology)**  **Prof. Ammar Al Rikabi** | **9:00 - 10:00am**  Autonomic nervous  system II  **(Physiology)**  **Dr. Taha Sadig** | **9:00-10:00 am**  Tutorial erythropoiesis  **(Physiology)**  **All staff** |
| **10:00 - 11:00 am**  Introduction to the study of diseases  **(Pathology)**  **Prof. Ammar Al-Rikabi** | **10:00 - 11:00am**  Self-directed  learning | **10:00 - 11:00am**  Lymphoid tissue  **(Histology)**  **Dr. Aly Mohammed** | **10:00-11:00am**  Normal flora  **(Microbiology)**  **Prof. Kambal** | **10:00 - 12:00 pm**  **(Practical)**  Lymphoid tissue  **(Histology)**  Room 122  1st Floor  **All staff** |
| **11:00-12:00 pm**  Free Radical Injury; Types of Necrosis; and Apoptosis  **(Pathology)**  **Prof. Ammar Al-Rikabi** | **11:00-12:00 pm**  Self-directed  learning | **11:00-12:00 pm**  Pharmacokinetics I :  Drug administration and absorption  **(Pharmacology)**  **Dr. Ishfaq Bukhari** | **11:00-12:00 pm**  Bilaminar and trilaminar discs and their derivatives  **(Anatomy)**  **Dr. Essam Salama** |
| **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** |
| **1:00-2:00 pm**  Self-directed  learning | **1:00-2:00 pm**  Connective tissue proper  **(Histology)**  **Dr. Aly Mohammed** | **1:00-2:00 pm**  Human chromosomes: genotypes/phenotypes  **(Human Genetics)**  **Dr. Faiyez UlHaque** | **1:00-3:00 pm**  **Practical**  DNA Extraction  **(Biochemistry)**  **All staff** | **1:00-3:00 pm**  **Salam** |
| **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Self-directed  learning |

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| **Week 4 - FOUNDATION BLOCK (Male-A)** | | | | |
| **Week ( 4 ) Starting: 22/09/2013 (16 /11 /1434H)**  **Organs and Cells - 2** | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | |
| **Sunday**  **22 September 2013** | **Monday**  **23 September 2013** | **Tuesday**  **24 September 2013** | **Wednesday**  **25 September 2013** | **Thursday**  **26 September 2013** |
| **8:00 - 10:00 am**  **Problem-based**  **Learning**  **Case 2 Tutorial 1** | **National Holiday** | **8:00 - 10:00 am**  **(Practical)**  Cell injury and inflammation-II  **(Pathology)**  **Dr. Marie Mukhashin/**  **Prof.Ammar Al Rikabi**  Student Lab Room 051142 | **8:00 - 10:00 am**  **Problem-based**  **Learning**  **Case 2 Tutorial 2** | **8:00 -10:00 am**  **(Practical)**  WBC, differential  **(Physiology)**  **Prof. Shakoor**  Room2149,2nd Floor  Room 3149,3rd Floor  **All staff** |
| **10:00 - 11:00 am**  White blood cells  **(Physiology)**  **Dr. Mohammad Al Otaibi** | **10:00 - 11:00 am**  Viral structure classification  **(Microbiology)**  **Dr. A.K Al-Hetheel** | **10:00-11:00 am**  Classifications of parasites and protozoa  **(Microbiology)**  **Prof. Ahmed Awadh Adeel** | **10:00 - 11:00 am**  Enzymes and Co-enzymes (I)  **(Biochemistry)**  **Dr. Usman Ghani** |
| **11:00-12:00pm**  Host-parasite relationship  **(Microbiology)**  **Prof. Kambal/**  **Dr. Ali Somily** | **11:00-12:00pm**  Control of erythropoiesis,iron metabolism and haemoglobin  **(Physiology)**  **Dr. Mohammad Al Otaibi** | **11:00-12:00 pm**  Lipid compounds of physiological significance  **(Biochemistry)**  **Dr. Amr Moustafa** | **11:00-12:00 pm**  Pharmacokinetics II:  Bioavailability and distribution  **(Pharmacology)**  **Dr. Ishfaq Bukhari** |
| **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** |
| **1:00-3:00 pm**  **(Practical)**  Cell injury and inflammation -I  **(Pathology)**  **Dr. Marie Mukhashin/**  **Prof.Ammar Al Rikabi**  Student Lab Room 051142 | **1:00-3:00 pm**  **(Practical)**  CBC, ESR  **(Physiology)**  Room2149,2nd Floor  Room3149,3rd Floor  **All staff** | **1:00-2:00 pm**  Self-directed  learning | **1:00-3:00 pm**  **Salam** |
| **2:00-3:00 pm**  Self-directed  learning |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Week 5 - FOUNDATION BLOCK (Male-A)** | | | | | |
| **Week ( 5 ) Starting: 29 /09 /2013 (23 /11 /1434H)**  **Cells and Receptors** | | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | | |
| **Sunday**  **29 September 2013** | **Monday**  **30 September 2013** | **Tuesday**  **01 October 2013** | **Wednesday**  **02 October 2013** | **Thursday**  **03 October 2013** | |
| **8:00 - 10:00am** | **8:00 - 9:00 am**  Adaptation to injuries  **(Pathology)**  **Prof. Ammar Al-Rikabi** | **8:00 - 9:00 am**  Chromosomal Anomalies  **(Human Genetics)**  **Dr. Faiyez UlHaque** | **8:00 -10:00am**  **Problem-based Learning**  **Case 3 Tutorial 2** | **8:00 - 9:00 am**  Haemostasis  **(Physiology)**  **Dr. Mohammad Al Otaibi** | |
| **Problem-based**  **Learning**  **Case 3 Tutorial 1** |
| **9:00 - 10:00am**  Introduction to Immunology & the lymphoid system  **(Immunology)**  **Dr. Almogren/**  **Prof. Shakoor** | **9:00 - 10:00am**  Enzymes and  Co-enzymes (II)  **(Biochemistry)**  **Dr. Usman Ghani** | **9:00 - 10:00 am**  Self-directed  learning | |
| **10:00-11:00 am**  Fetal membranes  **(Anatomy)**  **Dr. Mohammed Vohra** | **10:00 - 11:00 am**  Blood groups and blood transfusion  **(Physiology)**  **Dr. Mohammad Al Otaibi** | **10:00 - 11:00am**  Viral pathogenesis  **(Microbiology)**  **Dr. A.K Al-Hetheel** | **10:00 - 11:00am**  Pharmacokinetics III:  Drug metabolism  **(Pharmacology)**  **Dr. Ishfaq Bukhari** | **10:00 - 11:00 am**  Introduction  Metabolism:  Anabolism & catabolism  **(Biochemistry)**  **Dr. Amr Moustafa** | |
| **11:00 - 12:00 pm**  **Learning Skills**:  Stress management  **Dr. Mahmoud Salah** | **11:00 - 12:00 pm**  Natural defense mechanisms  **(Immunology)**  **Dr. Almogren/**  **Prof. Shakoor** | **11:00-12:00pm**  Definition of inflammation; acute inflammation  **(Pathology)**  **Prof. Ammar Al-Rikabi** | **11:00-12:00pm**  Cell mediated immunity  **(Immunology)**  **Dr. Almogren/**  **Prof. Shakoor** | **11:00-12:00pm**  Self-directed  learning | |
| **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | |
| **1:00-2:00 pm**  Gram Positive(+) Bacteria and gram negative(-) bacteria  **(Microbiology)**  **Prof. Kambal** | **1:00-2:00 pm**  Sterilization and disinfection  **(Microbiology)**  **Dr. Al-Khattaf** | **1:00-2:00 pm**  Tutorial on WBC  **(Physiology)**  **All staff** | **1:00-2:00 pm**  Pharmacokinetics IV:  Drug excretion  **(Pharmacology)**  **Dr. Ishfaq Bukhari** | **1:00-3:00pm**  **Salam** | |
| **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Self-directed  learning | **2:00-3:00 pm**  Self-directed  learning |
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| **Week 6 - FOUNDATION BLOCK (Male-A)** | | | | | | | | | |
| **Week ( 6 ) Starting: 06/10/2013 (01 /12 /1434H)**  **Biological Mechanisms -1** | | | | | | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | | | | | | |
| **Sunday**  **06 October 2013** | | **Monday**  **07 October 2013** | | **Tuesday**  **08 October 2013** | | **Wednesday**  **09 October 2013** | | **Thursday**  **10 October 2013** | |
| **8:00 - 10:00 am**  **MIDBLOCK**  **EXAM** | | **8:00 - 9:00 am**  Anaerobic bacteria  **(Microbiology)**  **Dr. Ali Somily** | | **8:00 - 10:00 am**  **(Practical)**  Haemodynamic disorders (II)  **(Pathology)**  **Dr. Marie Mukhashin/**  **Prof.Ammar Al Rikabi**  Student Lab . Room  051142 | | **8:00 - 9:00 am**  Self-directed  learning | | **8:00 - 9:00 am**  The Fungi and their pathogenesis  **(Microbiology**)  **Dr. Al-Barrag** | |
| **9:00-10:00 am**  Cell signaling & regulation of metabolism  **(Biochemistry)**  **Dr. Amr Moustafa** | | **9:00am - 12:00pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **9:00 - 10:00 am**  Mechanism of and factors affecting healing and repair  **(Pathology)**  **Prof. Ammar Al-Rikabi** | |
| **10:00 - 11:00 am**  Self-directed  Learning | | **10:00-12:00pm**  **(Practical)**  Haemodynamic disorders (I)  **(Pathology)**  **Dr. Marie Mukhashin/**  **Prof.Ammar Al Rikabi**  Student Lab  Room 051142 | | **10:00 – 12:00pm**  **(Practical)**  Bleeding, clotting time, blood group  **(Physiology)**  Room 2149,2nd Floor  Room 3149,3rd Floor  **All staff** | | **10:00 - 11:00 am**  Self-directed  Learning | |
| **11:00-12:00 pm**  Self-directed  learning | | **11:00-12:00 pm**  Pharmacodynamics I:  Molecular mechanism of drug action  **(Pharmacology)**  **Dr. Osama Yousef** | |
| **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | |
| **1:00-2:00 pm**  Tutorial on Mechanisms of Coagulation Bleeding and Clotting Disorders  **(Physiology)**  **All staff** | | **1:00-2:00 pm**  Vascular and cellular events in inflammation  **(Pathology)**  **Prof. Ammar Al-Rikabi** | | **1:00-2:00 pm**  Antibody mediated immunity  **(Immunology)**  **Dr. Almogren/**  **Prof. Shakoor** | | **1:00-4:00 pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **1:00-3:00 pm**  **Salam** | |
| **2:00-3:00 pm**  Chemical mediators in inflammation and patterns of acute inflammation  **(Pathology)**  **Prof. Ammar Al-Rikabi** | | **2:00-3:00 pm**  Self-directed  learning | | **2:00-3:00 pm**  Chronic inflammation  **(Pathology)**  **Prof. Ammar Al-Rikabi** | |
| **3:00-4:00pm**  Self-directed  learning | | **3:00-4:00pm**  Self-directed  learning | | **3:00-4:00pm**  Self-directed  learning | | **3:00-4:00pm**  Self-directed  learning | |
| * ***Week 7 : 13/10/2013 (08/12/1434) – 17/10/2013(12/12/1434) – HAJJ* VACATION** | | | | | | | | | |
| **Week 8 - FOUNDATION BLOCK (Male-A)** | | | | | | | | | |
| **Week ( 8 ) Starting: 20/10/2013 (15/12/1434H)**  **Biological Mechanisms - 2** | | | | | | | | | |
| **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | | | | | | |
| **Sunday**  **20 October 2013** | | **Monday**  **21 October 2013** | | **Tuesday**  **22 October 2013** | | **Wednesday**  **23 October 2013** | | **Thursday**  **24 October 2013** | |
| **HAJJ VACATION** | | **HAJJ VACATION** | | **8:00 - 9:00 am**  Definition , mechanism and causes of granulomas  **(Pathology )**  **Dr. Ahmed Al-Humaidi** | | **8:00-9:00am**  Self-directed  learning | | **8:00 - 9:00 am**  Krebs cycle  **(Biochemistry)**  **Dr. Amr Moustafa** | |
| **9:00 - 11:00 am**  **(Practical)**  Granulomas  **(Pathology )**  **Dr. Marie Mukhashin/**  **Dr. Al- Humaidi**  Student Lab  Room 05/1142 | | **9:00am - 12:00pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **9:00 - 10:00 am**  Pharmacodynamics II:  Quantitative aspects of drug action  **(Pharmacology)**  **Dr. Osama Yousef** | |
| **10:00 - 11:00 am**  Gluconeogenesis  **(Biochemistry)**  **Dr. Amr Moustafa** | |
| **11:00-12:00pm**  **Learning Skills:**  Information Gathering:searching Internet for Medical References  **Dr. Amr Jamal** | | **11:00-12:00 pm**  Diversity of pathogenic molds;diversity of pathogenic yeasts  **(Microbiology)**  **Dr. Al-Barrag** | |
| **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | |
| **1:00-2:00 pm**  Major metabolic pathways of glucose  **(Biochemistry)**  **Dr. Amr Moustafa** | | **1:00-4:00 pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **1:00-3:00 pm**  **Salam** | |
| **2:00 - 3:00 pm**  Glycolysis  **(Biochemistry)**  **Dr. Amr Moustafa** | |
| **3:00-4:00pm**  Self-directed  Learning | |
| **3:00-4:00pm**  Self-directed  Learning | |

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| **Week 9 - FOUNDATION BLOCK (Male-A)** | | | | | | | | |
| **Week ( 9 ) Starting: 27/10/2013 (22/12 /1434H)**  **Pathological Processes - 1** | | | | | | | | |
| **CHAIR PERSON : Prof.Ahmed Awadh Adeel** | | | | | | | | |
| **Sunday**  **27 October 2013** | | **Monday**  **28 October 2013** | | **Tuesday**  **29 October 2013** | | **Wednesday**  **30 October 2013** | | **Thursday**  **31 October 2013** |
| **8:00 - 9:00 am**  Self-directed  learning | | **8:00 - 9:00am**  Self-directed  learning | | **8:00 - 9:00am**  Self-directed  learning | | **8:00 – 9:00 am**  Self-directed  learning | | **8:00 - 9:00 am**  Self-directed  learning |
| **9:00 - 10:00 am**  Classification of tumors  **(Pathology)**  **Dr. Al-Sheikh** | | **9:00 - 10:00am**  Self-directed  learning | | **9:00 - 10:00 am**  Immune Deficiency  **(Immunology)**  **Dr. Almogren/**  **Prof. Shakoor** | | **9:00 - 10:00am**  Biochemical markers for diagnosis and follow up of disease  **(Biochemistry)**  **Dr. Usman Ghani** | | **9:00 - 10:00am**  Self-directed  learning |
| **10:00 - 12:00 pm**  **(Practical)**  Neoplasia– I  **(Pathology)**  **Dr. Marie Mukhashin/**  **Dr. Al- Sheikh**  Student Lab  Room 051142 | | **10:00-11:00am**  Hypersensitivity  **(Immunology)**  **Dr. Almogren/**  **Prof. Shakoor** | | **10:00 - 12:00 pm**  Carcinogenesis  **(Pathology)**  **Dr. Al-Sheikh** | | **10:00 - 11:00 am**  Self-directed  learning | | **10:00 - 11:00 am**  Self-directed  learning |
| **11:00-12:00 pm**  Properties of benign and malignant neoplasms  **(Pathology)**  **Dr. Al-Sheikh** | | **11:00-12:00 pm**  Self-directed  learning | | **11:00-12:00 pm**  Pharmacodynamics III:  Receptor Families  **(Pharmacology)**  **Dr. Osama Yousef** | | **11:00-12:00 pm**  Self-directed  learning |
| **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** |
| **1:00-2:00 pm**  Self-directed  learning | | **1:00-2:00 pm**  Self-directed  Learning | | **1:00-2:00 pm**  Self-directed  learning | | **1:00-3:00 pm**  **(Practical)**  **(Microbiology)**  **Prof. Adeel/**  **Dr. Al-Khataff** | | **1:00-3:00 pm**  **Salam** |
| **2:00-3:00 pm**  Self-directed  learning | | **2:00-3:00 pm**  Self-directed  learning | | **2:00-3:00 pm**  Self-directed  learning | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Week 10 - FOUNDATION BLOCK (Male-A)** | | | | | | **Week ( 10 ) Starting: 03/11/2013 (29/12/1435H)**  **Pathological Processes - 2** | | | | | | **CHAIR PERSON : Prof. Ahmed Awadh Adeel** | | | | | | **Sunday**  **03 November 2013** | **Monday**  **04 November 2013** | **Tuesday**  **05 November 2013** | **Wednesday**  **06 November 2013** | **Thursday**  **07 November 2013** | | **8:00 - 9:00 am**  Etiology of tumors  **(Pathology)**  **Dr. Al-Sheikh** | **8:00 - 10:00 am**  **(Practical)**  Neoplasia– II  **(Pathology)**  **Dr. Marie Mukhashin/**  **Dr. Al-Sheikh**  Student Lab  Room 051142 | **8:00 - 9:00 am**  Mode of inheritance  **(Human Genetics)**  **Dr. Faiyez UlHaque** | **8:00 - 9:00 am**  Self-directed  learning | **8:00 - 9:00 am**  Genetic counseling – exercise  **(Human Genetics)**  **Dr. Faiyez UlHaque** | | **9:00 - 10:00 am**  Self-directed  learning | **9:00 - 10:00 am**  Principles of grading and staging of malignant tumors &  Local and systemic manifestations of malignant neoplasms  **(Pathology)**  **Dr. Al-Sheikh** | **9:00-10:00 am**  Self-directed  learning | **9:00 - 10:00 am**  Antibiotics  **(Microbiology)**  **Dr. Ali Somily** | | **10:00 - 11:00 am**  Agents and Vectors of diseases  **(Microbiology)**  **Prof. Adeel** | **10:00 - 11:00 am**  Self-directed  learning | **10:00 - 11:00 am**  Self-directed  learning | **10:00 - 11:00 am**  **Learning Skills :**  Doctor – Patient  Communication  General principles  **Prof. Sulaiman Al Shammary** | **10:00 - 11:00 am**  Tolerance and adverse drug reaction  **(Pharmacology)**  **Dr. Osama Yousef** | | **11:00-12:00 pm**  Self-directed  learning | **11:00-12:00 pm**  Self-directed  learning | **11:00-12:00 pm**  Drugs acting on autocrine paracrine mediators:  Part I  **(Pharmacology)**  **Prof. Abdulqader**  **Al-Haider** | **11:00 - 12:00pm**  Atypical mode of inheritance  **(Human Genetics)**  **Dr. Faiyez UlHaque** | **11:00-12:00 pm**  Self-directed  Learning | | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | | **1:00-200 pm**  **Learning Skills:**  Professionalism in Medical Education  **Dr. Amr Jamal** | **1:00-200 pm**  Self-directed  Learning | **1:00-2:00 pm**  Drugs acting on autocrine paracrine mediators: Part2  **(Pharmacology)**  **Prof. Abdulqader**  **Al-Haider** | **1:00-2:00 pm**  Self-directed  Learning | **1:00-3:00 pm**  **Salam** | | **2:00-3:00pm**  Self-directed  Learning | **2:00-3:00pm**  Self-directed  Learning | **2:00-3:00pm**  Self-directed  Learning | **2:00-3:00pm**  Self-directed  Learning | | | | | | | | | |
| **Week 11 - FOUNDATION BLOCK (Male-A)** | | | | | | | | |
| **Week ( 11 ) Starting: 10/11/2013 (07/01/1435H)**  **Integrated Clinical Skills** | | | | | | | | |
| **CHAIR PERSON : Prof.Ahmed Awadh Adeel** | | | | | | | | |
| **Sunday**  **10 November 2013** | **Monday**  **11 November 2013** | | **Tuesday**  **12 November 2013** | | **Wednesday**  **13 November 2013** | | **Thursday**  **14 November 2013** | |
| **8:00 - 9:00 am**  Self-directed  Learning | **8:00-9:00am**  Self-directed  learning | | **8:00-9:00am**  Self-directed  learning | | **8:00-9:00am**  Self-directed  learning | | **8:00-9:00am**  Self-directed  learning | |
| **9:00 - 10:00 am**  Self-directed  Learning | **9:00am - 12:00pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **9:00am - 12:00pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **9:00am - 12:00pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **9:00 - 10:00 am**  Self-directed  Learning | |
|  | **10:00 – 11:00 am**  Self-directed  Learning | |
| **10:00 – 11:00 am**  Self-directed  Learning |
| **11:00-12:00 pm**  Self-directed  Learning | **11:00-12:00 pm**  Self-directed  Learning | |
| **Lunch**  **12:00 – 1:00pm** | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | | **Lunch**  **12:00 – 1:00pm** | |
| **1:00-2:00 pm**  Self-directed  Learning | **1:00-4:00 pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **1:00-4:00 pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **1:00-4:00 pm**  **Integrated Clinical Skills Sessions**  **(Group A to J)** | | **1:00 - 3:00 pm**  **Salam** | |
| **2:00-3:00 pm**  Self-directed  learning |
| **3:00-4:00**  Self-directed  learning | **3:00-4:00**  Self-directed  learning | |

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| **Week 12 - FOUNDATION BLOCK (Male-A)** | | | | |
| **Week ( 12 ) Starting: 17/11/2013 (14/01/1435H)**  **Consolidation Week** | | | | |
| **CHAIR PERSON : Prof.Ahmed Awadh Adeel** | | | | |
| **Sunday**  **17 November 2013** | **Monday**  **18 November 2013** | **Tuesday**  **19 November 2013** | **Wednesday**  **20 November 2013** | **Thursday**  **21 November 2013** |
| **7:00am-4:00pm** | **7:00am-4:00pm** | **7:00am-4:00pm** | **7:00am-4:00pm** | **7:00am-4:00pm** |
| **Consolidation Week** | **Consolidation Week** | **Consolidation Week** | **Consolidation Week** | **Consolidation Week** |

**Plagiarism**

Plagiarism is a voluntary act to copy sentences and give a misleading impression that the text is created by the person whose name appears on the work. For example an assignment submitted as part of the requirements of assessment of a subject.

Plagiarism may include plagiarism of ideas and or plagiarism of text (sentences or paragraphs). It also may include the use of diagrams, tables, images, cartoons etc without acknowledging the original creator of the work.

The act of copy-and-paste writings even if the aim is to produce a good assignment with well-structured English statements is unethical and when discovered could cause serious consequences including disciplinary action. Students need to construct statements in their own words and refer to the correct references related to what they have written and included in their assignment/work. Giving credit and acknowledgement to the original authors/creators are valued by the academic community as it reflects an ethical and professional attitude.

**Why is plagiarism wrong?**

Universities, higher education institutes and scientific communities consider plagiarism as a major problem for a number of reasons:

* It is an act of stealing ideas and the work of original authors/creators.
* It does not represent acceptable professional, ethical or scientific behavior.
* It raises doubts about the credibility of the person/group of people who committed such act.

**How can teachers/college discover an act of plagiarism?**

There are a number of software programs such as authenticate and many others available to detect the act of plagiarism. Some of these programs are available free online.

These tools can locate the places and sentences where students have copied and the original resource (articles, manuscripts, papers, books, websites) for such statements/paragraphs or images.

**What are the consequences of plagiarism?**

Students who commit plagiarism will be exposed to disciplinary action including the failure of the subject concerned provided that such act has been confirmed with evidence.

**Assessment of Students in the Block**

In order to pass the block, you must obtain a minimum final block grade of D (the grading guide attached as appendix¹), this grade is a composition from several block requirements, which can be subdivided as:

1. Attendance
2. Tutor assessment
3. Written Exams
4. OSPE (Objective Structured Practical Examination)

The final grade is a composition of the grades obtained for the specified block requirements, calculated as follows:

1. Continuous Assessment (Tutor Assessment and Attendance) : 15%
2. Written Examinations (MCQ) : 55%

* Mid-Block Exam 25%
* Final Block Exam 30%

1. OSPE : 30 %

**TOTAL : 100 %**

1. **Attendance :**

Students are required to attend not less than 75% of all educational activities during the block. These include small group teaching, lectures, practical sessions, skills training sessions and integrated clinical sessions.

Your attendance will be recorded during all sessions. Failure to meet this requirement without a valid explanation will result in exclusion from the final examination. On the other hand, your presence will be rewarded by assigned marks.

1. **Tutor Assessment in Large and Small groups (Continuous Assessment):**

During each session, your individual efforts will be evaluated by your tutor. The tutors are instructed to evaluate two aspects:

1. The extent to which you demonstrate that you study and prepare yourself thoroughly between the two sessions (i.e., preparation).
2. The extent to which you actively contribute during group discussion (i.e., participation). Your grade for each session depends upon both your preparation and your participation. The grade will be on the scale from “5”, “4”, “3”, “2”, or “1”. Which have the following general descriptors:

5 = Outstanding (Excellent)

4 = Very good

3 = Good

2 = Average

1 = Poor

The block contains two sessions each week, so the maximum amount of ‘participation points’ you are able to obtain will be from two sessions multiplied by the number of weeks. The total participation points will be recalculated according to the weight for each participation in the total assessment.

Your tutor can give you more information about the evaluation of your participation. The details of these evaluation also given in “Tutor Assessment of Student” form.

1. **Written Examination:**
2. Mid block exam 25% : In the form of  MCQs, these are prepared mainly from sessions presented to the students in large group. This exam will consist of 50 MCQs that will assess factual knowledge.
3. Final written exam 30%: at the end of the block in form of MCQs, that are prepared mainly from sessions and presented to the students. This exam will consist of 80 MCQs that will assess factual knowledge too.
4. **Objective Structured Practical Examination** **(OSPE** **):**

This contains 30% of the marks. It is a practical examination at the end of the block. The OSPE examination will consist of 15-20 OSPE stations. Each station will take about 5 minutes, which contains a mix of slide show and some practical sessions. The purpose of the OSPE stations is to test your deeper understanding of the basic sciences. The OSPE will take place at the end of each block.

**Block Evaluation**

The block evaluation uses the following three data sources:

1. Student Feedback
2. Tutor Feedback
3. Student Results

***Methods of student’s formative assessment:***

* Self evaluation
* Peer evaluation
* Tutor evaluation (both summative & formative)
* Assignments

**LEARNING RESOURCES**

The list below comprises the key textbooks and learning resources which have been prescribed and recommended for use in the undergraduate medical course at King Saud University. It is expected that you have your own copy of prescribed textbooks and use them as one of your main resources in learning. Before making any purchases, you might carefully examine all other recommended textbooks in an area and chose the text that matches with your needs and your learning style. Although all these texts are available in the Medical Library, you might need to purchase texts that you use frequently in these years as the demand upon library texts is usually high.

**Medical Dictionary**

*Prescribed :*

Martin EA (2010). Oxford Concise Medical Dictionary. Oxford: Oxford University Press.

*Recommended textbooks:*

Dorland (2010). Dorland’s Pocket Medical Dictionary with CD-ROM, Twenty-eighth Edition, Elsevier, UK.

Dorland (2007). Dorland’s Illustrated Medical Dictionary with CD-ROM, Thirty-first Edition, Elsevier, UK.

**Anatomy & Embryology**

*Prescribed textbook:*

Drake RL, Vogl W and Mitchell AWM (2005). Gray’s Anatomy for Students. Philadelphia: Elsevier Churchill Livingstone.

Snell RS (2005). Clinical Anatomy for Medical Students. 7th ed. Philadelphia: Lippincott Williams & Wilkins.

Larson WJ (2001). Human Embryology. New York: Churchill Livingstone.

*Recommended textbooks:*

McMinn RH (2004). McMinn’s Color Atlas of Human Anatomy. Fifth Edition. Mosby Publisher, UK.

Moore KL and Dalley AF (2005). Clinically Oriented Anatomy. Philadelphia: Lippincott Williams & Wilkins.

Netter FH (2006). Atlas of Human Anatomy. 4th ed. Philadelphia: Saunders WB.

Agur AMR and Dalley AF (2005). Grant’s Atlas of Anatomy. 11th ed. Philadelphia: Lippincott Williams & Wilkins.

More KL (2002). The Developing Human. Philadelphia: Saunders WB.

Sadler TW. (2005) Langman’s Essential Medical Embryology. Philadelphia: Lippincott Williams & Wilkins.

Sadler TW. (2006) Langman’s Medical Embryology. 10th ed. Philadelphia: Lippincott Williams & Wilkins.

**Histology**

*Prescribed textbook:*

Gartner LP and Hiatt JL (2002). Color Textbook of Histology. 2nd ed. Philadelphia: Saunders WB.

*Recommended textbooks:*

Young B, Lowe JS, Stevens A and Heath JW (2006). Wheater’s Functional Histology. 5th ed. London: Churchill Livingstone.

**Physiology**

*Prescribed textbook:*

Rhoades R and Pflanzer R (2003). Human Physiology, 4th ed. London: Brooks/Cole.

Hall JE. Guyton and Hall Textbook of Medical Physiology (2010). Twelfth Edition. Churchill Livingstone, UK.

*Recommended textbooks:*

Berne RM, Levy MN, Koeppen BM and Stanton BA. (2005) Physiology. 5th ed. London: Mosby

Sherwood L. (2006). Human Physiology: From Cells to Systems. 4th ed.Brooks/Cole Pub.Co: Sydney.

Fox SI. (2008). Fundamentals of Human Physiology. 9th ed. McGraw-Hill: Boston.

Saladin KS (2009). Anatomy and Physiology. McGraw Hill Lange, USA

Barrett KE, Barman SM, Boitano S, Brooks HL (2009). Ganong’s Review of Medical Physiology. Twenty Third Edition. McGraw-Hill Publisher, UK.

**Pharmacology**

*Prescribed textbook:*

Rang HP, Dale MM, Ritter JM, Moore PK (2007). Pharmacology. Six Edition. Churchill Livingstone, Elsevier, UK.

*Recommended textbooks:*

Katszing BG (2008). Basic and Clinical Pharmacology. New York: McGraw Hill/Appleton & Lange.

**Medical Biochemistry**

*Prescribed textbook:*

Lieberman M, Marks AD (2008). Mark’s Basic Medical Biochemistry: A Clinical Approach. Lippincott Williams & Wilkins, New York.

Champe PC, Harvey RA, Ferrier DR (2005). Lippincott’s Illustrated Reviews Biochemistry. 3rd ed. Philadelphia: Lippincott Williams & Wilkins.

*Recommended textbooks:*

Murray RK, Roolwell VW, Bender D, Botham KM, Weill A, Kennelly PJ (2009). Harper’s Illustrated Biochemistry. Twenty -eighth Editions. McGraw Hill, Lange, New York.

Baynes J and Dominiczak M (2005). Medical Biochemistry. 2nd ed. London: Mosby.

Bhagavan NV (2002). Medical Biochemistry. Fourth-Edition, Elsevier, UK.

**Microbiology & Parasitology**

*Prescribed textbook:*

Goering R, DoCkrell H, Zuckerman M, Wakelin D, Riott I, Mims C (2008). Mims’ Medical Microbiology. Fourth Edition. Mosby, UK.

John DT, Petri Jr (2006). Markell and Voge’s Medical Parasitology. Ninth Edition. Elsevier, UK.

*Recommended textbooks:*

Greenwood D, Slack RC, Peutherer JF, Barer MR (2007). Medical Microbiology. Seventh Edition. Churchill Livingstone, UK.

Strohol WA. Lippincotts Illustrated Review Microbiology (2006). Second Edition. Lippincott Williams & Wilkins, New York.

Brooks GF, Butel JS, and Morse SA. (2004). Jawetz, Melnick, and Adelberg’s Medical Microbiology. 23rd ed. New York: McGraw-Hill Co and Lange Appleton.

Engleberg NC, DiRita V, and Dermody TS. (2007). Schaechter’s Mechanisms of Microbial Disease. 4th ed. Philadelphia: Lippincott Williams & Wilkins.

Neva FA, Brown HW. (1994). Basic Clinical Parasitology. 6th ed. Connecticut: Prentice-Hall International Inc.

Chamberlain NR (2008). Medical microbiology & immunology. McGraw Hill Lange Publisher, UK.

Levinson WE (2010). Review of Medical Microbiology and Immunology. Eleventh-Edition, McGraw-Hill Publisher, UK

**Pathology**

*Prescribed textbook:*

Kumar V and Cotran RS (2007). Robbins Basic Pathology. 8th ed. Philadelphia: Saunders WB.

*Recommended textbooks:*

Kumar V, Abbas AK, and Fausto N (2004). Robbins and Cotran Pathologic Basis of Disease. 7th ed. Philadelphia: Saunders WB.

Stevens A, Lowe JS, Young B (2008). Wheaters Basic Histopathology. A Colour Atlas and Text. Churchill Livingstone, Elsevier, UK.

**Immunology**

*Prescribed textbook:*

Delves PJ, Martin SJ, Burton DR, Riott IM (2006). Riott’s Essential Immunology. Eleventh Edition. Blackwell Publishing, UK.

*Recommended textbooks:*

Male D, Brostoff J, Roth DB, and Roitt I. (2006). Immunology. 7th ed. Edinburgh: Mosby.

**PBL and Learning Skills**

*Prescribed textbook:*

Azer SA (2006). Core Clinical Cases in Basic Biomedical Sciences. Hodder-Arnold, UK.

Azer SA (2008). Navigating Problem-Based Learning. Elsevier Australia, Australia.

*Recommended textbook:*

Kushner TK and Thomasma DC (2001). Dilemmas for Medical Students and Doctors in Training. Cambridge: University Press.

**Communication Skills & Introduction to Clinical Medicine**

*Prescribed textbook:*

Lloyd M, Bor R (2006). Communication Skills for Medicine. Churchill Livingstone. UK.

Munro JF, Campbell IW (2006). Macleod’s Clinical Examination. Tenth Edition. Churchill Livingstone, UK.

Talley NJ and O’Connor S. (2006). Pocket Clinical Examination. Melbourne: Blackwell Science.

**Medicine**

Kumar P and Clark M (2010). Clinical Medicine. 7th ed. Edinburgh: Elsevier Saunders.

Edwards C and Bouchier IA. (2003). Davidson’s Principles and Practice of Medicine. 14th ed. Edinburgh: Churchill Livingstone.

*(In the preclinical years these two textbooks may help you in the preparation of your learning issues, you will also need them in the clinical years).*

**Professionalism**

*Prescribed textbook:*

Feldman MD, Christensen JF (2007). Behavioural Medicine. A Guide for Clinical Practice. McGraw-Hill Lange, UK.

Stern DT (2005). Measuring Medical Professionalism. Oxford University Press, UK.

Spandorfer J, Pohl CA, Rattner SL, Nasca TJ (2010). Professionalism in Medicine. A case-based Guide for Medical Students. Cambridge University Press, UK.

**ACADEMIC SUPPORT TEAM:**

The College of Medicine and the Department of Medical Education are working on ensuring that our students receive optimal support to their learning. The list of academics shown below represent the departments involved in the teaching and learning of this block. If a student needs help in their teaching and learning they might consult one academic from the list. He/she might email them and arrange a time to see them if needed, otherwise email might be of help.

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **DEPARTMENT** | **HOSP. EXT.** | **E-MAIL ADDRESS** |
| Prof. Ahmed Awadh Adeel  ( Chairperson ) | Pathology | 71013 | aadeel@ksu.edu.sa |
| Professor Samy Azer | Medical Education Department | 99178 | [sazer@ksu.edu.sa](mailto:sazer@ksu.edu.sa)  azer2000@optusnet.com.au |
| Prof. Saeed Abuel Makarem | Anatomy Department | 70809 | [saeedmakarem@hotmail.com](mailto:saeedmakarem@hotmail.com) |
| Dr. Nervana Bayoumi | Physiology Department | 91174  99148 | drnerv@hotmail.com |
| Dr. Amr Moustafa | Biochemistry Department | 71345 | [amrsm@ksu.edu.sa](mailto:amrsm@ksu.edu.sa) |
| Prof. Ammar Rikabi | Pathology Department | 71893 | [ammar\_rikabi12@yahoo.com](mailto:ammar_rikabi12@yahoo.com) |
| Professor Omnia Nayel | Pharmacology Department | 72537 | [onayel2004@yahoo.com](mailto:onayel2004@yahoo.com) |
| Dr. Adel Almogren | Immunology Department | 71843 | almogren@ksu.edu.sa |
|  |  |  |



KING SAUD UNIVERSITY

College of Medicine

Department of Medical Education

**Assessment of student’s Performance in PBL**

**Foundation Block**

**Year 1 (Academic Year 2013-2014)**

**Student’s ID no.: ............................................................................ Group number:…………………**

**Student’s name: ………………………………………….......................................................................................**

**Tutor’s name: …………………………………………….........................................................................................**

**1=Unsatisfactory ; 2=Poor; 3=Good, 4=Very good; 5=Excellent**

**1. Preparation and participation:**

Ability to:

* Contribute actively to discussion 1 2 3 4 5
* Use evidence when debate an issue 1 2 3 4 5
* Demonstrate critical analysis skills 1 2 3 4 5
* Integrate knowledge 1 2 3 4 5
* Demonstrate deep understanding 1 2 3 4 5

**Total Marks = 25**

**2. Professional behaviour:**

Ability to:

* Come to tutorials on time 1 2 3 4 5
* Communicate effectively 1 2 3 4 5
* Demonstrate good manners 1 2 3 4 5
* Keep the group focused 1 2 3 4 5
* Give and receive feedback 1 2 3 4 5

**Total marks = 25**

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**Tutor’s Name: Signature: Total maximum Marks for the case = 50 /10 = 5 marks**

**Comments**

………………………………………………………………………………………………………………….………………………………………………………………..…………………………………………………………………………………………………………………………………………………………………….............................

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**KING SAUD UNIVERSITY**



**COLLEGE OF MEDICINE**

**MEDICAL EDUCATION DEPARTMENT**

**STUDENT’S EVALUATION OF THEIR PBL TUTOR**

**Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Tutor’s Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Group No.:\_\_\_\_\_\_\_\_**

**Student: Peer: Other: Name (Optional):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How well did the tutor facilitate group process in the following regards? Please put a check (✓) in the box.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. Appropriately facilitated the brainstorming sessions. | **1** | **2** | **3** | **4** | **5** |
| 1. Appropriately facilitated the hypothesis reorganization sessions. | **1** | **2** | **3** | **4** | **5** |
| 1. Appropriately facilitated the reporting sessions. | **1** | **2** | **3** | **4** | **5** |
| 1. Appropriately manage the time flow. | **1** | **2** | **3** | **4** | **5** |
| 1. Help to keep the group focused on its task | **1** | **2** | **3** | **4** | **5** |
| 1. Provided a well balanced intervention within the group process, but avoided dominating. | **1** | **2** | **3** | **4** | **5** |
| 1. Intervened when chairman or reporter needed. | **1** | **2** | **3** | **4** | **5** |
| 1. Provided constructive positive and constructive feedback to the group as needed. | **1** | **2** | **3** | **4** | **5** |
| 1. Encouraged positive and constructive feedback within the group about its performance | **1** | **2** | **3** | **4** | **5** |
| 1. Showed enthusiasm. | **1** | **2** | **3** | **4** | **5** |
| 1. Helped to create a supportive group climate. | **1** | **2** | **3** | **4** | **5** |
| 1. Encouraged logical and critical thinking. | **1** | **2** | **3** | **4** | **5** |
| 1. Overall rating of the tutor. | **1** | **2** | **3** | **4** | **5** |

Number Code Values:

5- EXCELLENT 4- VERY GOOD 3-GOOD 2- FAIR 1- POOR



**STUDENT RATING OF LECTURES**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Subject: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Instructor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Purpose:**

This form is designed as an observation tool to rate the performance of each instructor in the different sessions. It is intended to provide a tool for lecturer improvement.

**Directions:**

Using the anchors below, check (✓) your rating for each item below. Check (✓) N/A for items that do not apply.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Standard Procedure** | **5** | **4** | **3** | **2** | **1** | **N/A** |
| **1** | Started and ended class on time. |  |  |  |  |  |  |
| **2** | Presented overview of content and objectives. |  |  |  |  |  |  |
| **3** | Presented information according to objectives. |  |  |  |  |  |  |
| **4** | Used relevant examples and illustrations (graphs, etc.) to explain major ideas |  |  |  |  |  |  |
| **5** | Used alternative explanations when necessary. |  |  |  |  |  |  |
| **6** | Made efficient use of questions with students. |  |  |  |  |  |  |
| **7** | Covered all contents/objectives. |  |  |  |  |  |  |
| **8** | Exhibited enthusiasm. |  |  |  |  |  |  |
| **9** | Encouraged students to express themselves. |  |  |  |  |  |  |
| **10** | Asked questions prior to closure |  |  |  |  |  |  |
| **11** | Summarized major points/related contents to objectives. |  |  |  |  |  |  |
| **12** | Amount you learned in the class was: |  |  |  |  |  |  |

**Mention 3 strong points in this lecture:**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Mention 3 points for Improvement:**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Your name: (optional)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­**