

COMMENCEMENT OF ACADEMIC SESSION (SPRING-2022) w.e.f. 3rd January, 2022

LAB SKILLS WEEK

Skill Set 1	Skill Test 2	Skill Test 3
Chemical Science	Physical Science	Biological Science
1. Lab Protocols ¹ 2. Plant Collection Protocols ¹ 3. Extraction process ² 4. Solvent handling ² 5. Operation of: I. Weighing balance ³ II. Oven ³ III. Water bath ³ IV. Melting point apparatus ³ V. Magnetic stirrer ³ VI. Fume hood ³ VII. UV lamp ³ VIII. Microscope ³ IX. Soxhlet Apparatus ³ X. Mortar and Pestle ³ XI. Filtration Assembly ³	1. Handling of apparatus and understanding of SOPs ¹ 2. Selection of correct apparatus and equipment ¹ 3. Use of weighing balance for I. Liquids ³ II. Solids ³ III. Semisolids ³ 4. Mixing techniques I. Trituration ³ II. Levigation ³ III. Geometric dilution ³ 5. Stock solution preparation and Dilution ³ I. Magnetic stirrer II. Glassware	1. Microscope handling ³ 2. Micropipetting ³ 3. BMI ³ 4. Blood pressure ³ 5. Autoclave ³ 6. Blood sampling ³ 7. Medium preparation ³ I. Streaking II. Spreading 8. Introduction to equipment in biology experiments ³ I. Laminar Flow Hood II. Safety Cabinet III. Oven IV. Incubator 9. Introduction to biosafety levels ¹ 10. Introduction to HEPA system ¹
Facilitated by: Dr. Usman Shareef Dr. Fawad Bashir	Facilitated by: Dr. Ahmed Bhutta Dr. Zeeshan Abbasi	Facilitated by: Dr. Sundus Butt Dr. Farhan Shahid

¹Presentation only

²Presentation and Demonstration

³Demonstration and Individual Orientation Sessions

ROTATION SCHEDULE

Groups	10/01/2022 (12:00 to 14:00 hrs)	11/01/2022	12/01/2022	13/01/2022	14/01/2022	14/01/2022 (15:00 to 16:00 hrs)
A	Training session on lab safety protocols (LH1) (Dr. Farhan Shahid/ Dr. Damin Abbas)	Skill Set 1	Skill Set 2	Skill Set 3		Individual assessment (LH1) (Respective facilitators)
B		Skill Set 2	Skill Set 3		Skill Set 1	
C		Skill Set 3		Skill Set 1	Skill Set 2	
D		Skill Set 1	Skill Set 2	Skill Set 3		

Note: It is mandatory for all the students to attend every session to ensure the development of skills for smooth progression of studies throughout the Pharm. D program.