



Department of Life Sciences, School of Science University of Management and Technology

BC-415: Seminar in Biochemistry			
Lecture Schedule	Monday – Section N1 (05:00 – 06:15 PM)	Semester	Spring 2021
Pre-requisite	--	Credit Hours	01 (<i>01 contact hours</i>) theory
Instructor	Muhammad Ali	Contact	muhammad_ali@umt.edu.pk
Office	S3-37 (Ext. 3449)	Office Hours	03:00 – 05:00 PM (<i>Monday - Saturday</i>)
Specific Outcome	<p>The goal of this seminar course is to improve both the written and oral scientific communication skills, as well as to increase knowledge of key papers in biochemistry. The course will foster close interactions between students and faculty through the in depth discussion of classic papers in biochemistry. Critical thinking skills will be developed, as will presentation skills, as students present results, analyze and discuss new findings. Writing skills will be developed through a project proposal.</p>		
Learning Outcomes	<p>Students will:</p> <ul style="list-style-type: none"> • do effective literature search, proposal development and communication and presentation skills • identify employment and educational opportunities; • write effective resumes and cover letters; • practice and refine interview skills; • research local companies and orally present findings to classmates; and • identify local and national trends in the employment. 		
Course Content	<p>Following topics will be included in this course (detailed week-wise breakup is given at the end of the document): resume writing, interview skills, and discussion and presentation of scientific data</p>		

Learning Resources	Text Book	<ul style="list-style-type: none"> Michael Jay Katz. From research to manuscript: a guide to scientific writing. Springer, the Netherlands, 2006
	Reference Book	<ul style="list-style-type: none"> Hilary Glasman-Deal. Science research writing for non-native speakers of English. Imperial College Press, London, 2010
Teaching Kits	<p>All didactic material will be shared on:</p> <ul style="list-style-type: none"> PowerPoint slides and book shared on LMS Recording (if any) on https://www.youtube.com/channel/UCRhcR-WWDuSrluUsRE7rd7g 	
Grading Policy	<p>Student progress and achievement is assessed through student participation, project presentations, worksheets, and take-home research assignments:</p> <ul style="list-style-type: none"> Assignments 10% Quizzes 15% Midterm 20% Presentation 15% Final 40% 	

Date (DD-MM-YYY)	Week	Topic	Recording
01-03-2021	1	Introduction to the <i>Seminar in Biochemistry</i>	-
08-03-2021	2	From research to manuscript	https://www.youtube.com/watch?v=Nt9vOu2b3Mo
15-03-2021	3	From research to manuscript	
22-03-2021	4	Coming soon	

29-03-2021	5	Coming soon	
05-04-2021	6	Coming soon	
12-04-2021	7	Coming soon	
19-04-2021	8	Coming soon	
26-04-2021	9	Midterm	
03-05-2021	10	Coming soon	
10-05-2021	11	Coming soon	
17-05-2021	12	Coming soon	
24-05-2021	13	Coming soon	
31-05-2021	14	Coming soon	
07-06-2021	15	Coming soon	
14-06-2021	16	Coming soon	

21-06-2021	17	Coming soon	
Final Exam		June 28 to July 10, 2021	

Last date of course withdrawal: **June 18, 2021**

Eidul Fitar: **May 10-15, 2021**

Each student will write a 250-word lay summary of the selected paper, a compelling letter to the senior author asking about PhD studies in their lab and a 2-page project proposal.