



Course Syllabus: Advanced Topics in Bioscience - B 345

Division	Biological and Environmental Sciences & Engineering Division
Course Number	B 345
Course Title	Advanced Topics in Bioscience
Academic Semester	Summer
Academic Year	2016/2017
Semester Start Date	06/04/2017
Semester End Date	08/03/2017
Class Schedule (Days & Time)	09:00 AM - 12:00 PM Tue Thu

Instructor(s)

Name	Email	Phone	Office Location	Office Hours
Samir Hamdan	samir.hamdan@kaust.edu.sa	+966128082384		TBD

Teaching Assistant(s)

Name	Email
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Course Information

Comprehensive Course Description	The course reviews current topics in bioscience, particularly relying on scientific journal publications to provide case studies, illustrative examples, classic studies, and controversial findings pertinent to specific fields within biosciences. The course will feature an emphasis on primary literature searches, reading and assessment of primary literature. It is expected that the student reads no less than 5 scientific papers per week in the prescribed topic area and is capable of presenting and critically discussing the content of these publications. In this level 300 course, the student assessment is based on active participation in the lectures and tutorials.
Course Description from Program Guide	The course reviews current topics in bioscience, particularly relying on scientific journal publications to provide case studies, illustrative examples, classic studies, and controversial findings pertinent to specific fields within biosciences. The course will feature an emphasis on primary literature searches, reading and assessment of primary literature. It is expected that the student reads no less than 5 scientific papers per week in the prescribed topic area and is capable of presenting and critically discussing the content of these publications. In this level 300 course, the student assessment is based on active participation in the lectures and tutorials.
Goals and Objectives	Will be specified by the designated professor
Required Knowledge	Will be specified by the designated professor
Reference Texts	Will be specified by the designated professor
Method of evaluation	50.00% - Written report 50.00% - Presentation
Nature of the assignments	The students will be assessed on their bi-weekly written assignments (50%). In addition each student will present a core topic as part of the program seminar series (25%). The students will also present a scientific review article on a recent topic fully formatted according to the instructions 'to authors' of a highly regarded journal of the life sciences (25%). Course work will generally comprise >3 hours/week made up of tutorials and laboratory exercises depending on the research topic.
Course Policies	Will be specified by the designated professor

Additional Information

Will be specified by the designated professor

Tentative Course Schedule*(Time, topic/emphasis & resources)*

Week	Lectures	Topic
1	Tue 06/06/2017 Thu 06/08/2017	According to the topic and as outlined by the designated professor
2	Tue 06/13/2017 Thu 06/15/2017	According to the topic and as outlined by the designated professor
3	Tue 06/20/2017 Thu 06/22/2017	According to the topic and as outlined by the designated professor
4	Tue 06/27/2017 Thu 06/29/2017	According to the topic and as outlined by the designated professor
5	Tue 07/04/2017 Thu 07/06/2017	According to the topic and as outlined by the designated professor
6	Tue 07/11/2017 Thu 07/13/2017	According to the topic and as outlined by the designated professor
7	Tue 07/18/2017 Thu 07/20/2017	According to the topic and as outlined by the designated professor
8	Tue 07/25/2017 Thu 07/27/2017	According to the topic and as outlined by the designated professor
9	Tue 08/01/2017 Thu 08/03/2017	According to the topic and as outlined by the designated professor
10		NA
11		NA
12		NA
13		NA
14		NA
15		NA
16		NA
17		NA
18		NA

Note

The instructor reserves the right to make changes to this syllabus as necessary.