

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	Epidomology
Course number	BIOL4378
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

#### Course Objectives

1 - Introduction to epidemiology
2 - Epidemiology of infectious diseases, disease transmission and prevention
3 - Epidemiological studies
4 - Causation in epidemiology
5 - Environmental and occupational epidemiology.

#### Intended Learning Outcomes

Knowledge and Understanding	* Understanding the aim of epidemiology
Intellectual Skills	* Interpret the different types of epidemiological studies.

#### Course Contents

1 - The historical context of epidemiology and its aims
2 - Epidemiology of infectious diseases
3 - Direct transmission of disease
4 - Indirect transmission of disease
5 - Control of infectious diseases
6 - 1st Midterm Exam
7 - Epidemiology and prevention
8 - Measures of morbidity and mortality used in epidemiology
9 - Prevalence and incidence
10 - 2nd Midterm Exam
11 - Some important indices of health and disease, Measurement of risk
12 - Epidemiological studies (observational studies)
13 - Epidemiological studies (experimental studies)
14 - Causation in epidemiology, Environmental and occupational epidemiology
15 - Presentations

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## Teaching and Learning Methods

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| 1 - Lectures<br>2 - Revision and Discussion sections<br>3 - Student presentation<br>4 - Exams |
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## Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First hour exam	60minutes	20
Second hour exam	60minutes	20
Presentations		10
Final Exam	120minutes	50

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## Books and References

Recommended books	Epidemiology for Public Health Practice, 1999. F.H. Robert and S.A. Thomas Basic epidemiology, 1993. R. Beaglehole, R. Bonita, and T. Kjellstrom
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