المركز الوطني للتقويم والاعتماد الاكاديمي
National Center for Academic Accreditation and Evaluation

ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (COMM 141)

هيئة تقويم التعليم
Education Evaluation Commission

Course Specifications

Institution: **king Khalid University**	Date: **October 2019**
College/Department :**College of Medicine /Department of Family and Community Medicine**	

A. Course Identification and General Information

1. Course title and code: **COMM 141**				
2. Credit hours: **1**				
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs) **M.B.B.S.*** **(*) This course is also taught to students of Dentistry, pharmacy ,Nursing, and ,applied Medical sciences.**				
4. Name of faculty member responsible for the course **Dr .Mohammad Salaheldeen Mohammad Elhassan**				
6. Pre-requisites for this course (if any) **None**				
7. Co-requisites for this course (if any) **None**				
8. Location if not on main campus **Mahala Campus (boys)**				
9. Mode of Instruction (mark all that apply)				
a. traditional classroom	*	What percentage?	90	
b. blended (traditional and online)		What percentage?		
c. e-learning	*	What percentage?	90	
d. correspondence		What percentage?		
f. other		What percentage?		
Comments:				

B Objectives

1. What is the main purpose for this course? ***The course has been designed to recognize the importance of biostatistics and its implications in health-related studies and to apply ,analyses and interpret various descriptive and analytical biostatistics tests. In addition , this course also teaches students to judge and evaluate relevant statistical tests used with regard to their application in reference to biomedical research settings.**
2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field) • **It is planned to increase the proportion of utilization of the Blackboard facilities.** • **Introduction of e-assessment.**

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description: (**Note : General description in the form to be used for the Bulletin or handbook should be attached).**

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact hours
Introduction	**1**	**1**
Types of variables	**1**	**1**
Measures of Central Tendency	**2**	**2**
Measures of Dispersion	**2**	**2**
Normal Distribution Curve	**2**	**2**
Hypothesis testing	**2**	**2**
Chi-square test	**1**	**1**
Unpaired t-test	**1**	**1**
Paired t-test	**1**	**1**
Correlation	**1**	**1**
Regression	**1**	**1**
Frequency Distribution	**1**	**1**
Graphical Display of Data	**1**	**1**
Total	**17**	**17**

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory or Studio	Practical	Other:	Total
Contact Hours	**17**	-	-	-	-	**17**
Credit	**1**	-	-	-	-	**1**

3. Additional private study/learning hours expected for students per week.	1hr/wk

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain.)

Code #	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	**Knowledge**		
1.1	Recognize the importance of biostatistics and its implications in-health-related studies.	Lectures	MCQ
1.2	List different types of variables.	Lectures	MCQ
2.0	**Cognitive Skills**		
2.1	Interpret the results of various tests of significance	Lectures	MCQ+ Problem-Solving
2.2	Differentiate between significant and non-significant differences between groups.	Lectures	MOQ+ Problem-Solving
2.3	Recognize the correct statistical test of significance Applied for given health problems.	Lectures	MCQ+ Problem-Solving Questions
3.0	**Interpersonal Skills & Responsibility**		
3.1	Demonstrate punctuality and responsibility in attending classes	Lectures	Electronic monitoring of the attendance
3.2			
4.0	**Communication, Information Technology, Numerical**		
4.1	Calculate relevant test statistics ,e.g,t-value ,chi square value , etc	Lectures	MCQ+ Problem-Solving Questions
4.2	Demonstrate the skill of using a calculator/computer to apply a statistical procedures /tests	Lectures	MCQ+ Problem-Solving Questions
5.0	**Psychomotor** ----------		
5.1			
5.2			

Course LOs #	**Program Learning Outcomes (Use Program LO Code #s provided in the Program Specifications)**								
	1.1	**1.2**		**2.1**		**3.2**		**4.1**	
1.1									

2.1									

6. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Quiz (Problem -Solving)	6	5%
2	Midterm exam1(MCQ)	9	20%
3	Midterm exam2(MCQ)	12	25%
4	Final exam1(MCQ)	18	50%
	Total		100%

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

- **Teachers are available for 1 hours /week for providing support to student.**
- **The course coordinator ,in addition to two staff members of department s Student Advisory Committee also participates in supporting the students.**

E Learning Resources

1. List Required Textbooks

- **Mohammad salaheldeen .Basic Biostatistics Lecture Notes ,2013;King Khalid University.**

2. List Essential References Materials (Journals, Reports, etc.) ❖ **Campbell MJ, SwisscomTDV. Statisticsat Square One 11th Edition , 2010.BMJ Books**
3. List Recommended Textbooks and Reference Material (Journals, Reports, etc) ❖ **Castle WM, Norte PM. Statistics in Small Doses .1996;3ard Edition ,Chill Livingstone :Edinburgh**.
4. List Electronic Materials, Web Sites, Facebook, Twitter, etc. ❖ **www.Ims.kku.edu.sa** ❖ **http :www.danielsoper.com./statcalc3/** ❖ **http: www.numberepire.com/statisticscalculator.php**
5. Other learning material such as computer-based programs/CD, professional standards or regulations and software. ❖ **Statistical Package for Social Sciences (SPSS).CD and statistical software have been made available to students in the university library.**

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)
1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) ❖ **Lecture Room , Wide enough to accommodate at least 75 students per class**.
2. Computing resources (AV, data show, Smart Board, software, etc.) ❖ **Equipped e-learning computer labs (computer ,multimedia ,internet access and peripherals) with an accommodating and seating capacity in the university campus for male students another one for female students (at least for students in each site)**
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching ❖ **Direct communication between the course coordinator and student and also via the Blackboard .** ❖ **Centralized electronic confidential feedback forms have been designed for eliciting feedback from students every semester for the course and the instructors.** ❖ **Confidential electronic feedback forms and the experience and the university as a whole .** **All these strategies are expected to provide confidential ,specified and continuous analyses for obtained responses .**
2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department ❖ **Results of Problem –Solving and MCQ exams.** ❖ **Peer-review of teaching to be regularly conducted by course instructors**. ❖ **Periodic rotation of topics among different course instructors**.
3 Processes for Improvement of Teaching ❖ **Continuous feedback is being received from students both personally by hand and also electronically** ❖ **Arranging workshops covering relevant topics(e.g., assessment methodology, curriculum designing ,construction of MCQs ,etc.).** ❖ **Encouraging faculty and staff to attend regional and international conferences.**
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) ❖ **Automated double –scanning for verification of students score.** ❖ **The course coordinator and other colleagues manually revise students answer sheets so to verify the validity of the computer –based evaluation tools .** ❖ **Automated assessment of marks at the official university web portal (blackboard).**

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. ❖ **Considering the feedback elicited from the students , the department will periodically convene meetings with the faculty members to considers the suggestions and /or remarks .** ❖ **External reviewers shall be invited to review the course modules and meet with students or their representatives.**

Name of Instructor: **_Dr. Mohammad Salah Eldeen**

Signature:_____Date Report Completed: **October 10, 2019**

Program Coordinator: Dr. Mohamed H.A. Suleiman

Signature: _____ Date Received:_____