

## Course Specification Biostatistics

| II. Course Identification and General Information: |                                                   |                                     |         |     |        |
|----------------------------------------------------|---------------------------------------------------|-------------------------------------|---------|-----|--------|
| 1.                                                 | Course Title:                                     | Biostatistics                       |         |     |        |
| 2.                                                 | Course Number & Code:                             | 05 02 833                           |         |     |        |
| 3.                                                 | Credit hours: 2                                   | C.H                                 |         |     |        |
|                                                    |                                                   | Th.                                 | Seminar | Pr. | F. Tr. |
|                                                    |                                                   | 2                                   | -       | -   | -      |
| 4.                                                 | Study level/year at which this course is offered: | Third year/First semester           |         |     |        |
| 5.                                                 | Pre –requisite:                                   | -                                   |         |     |        |
| 6.                                                 | Co –requisite :                                   | -                                   |         |     |        |
| 7.                                                 | Program (s) in which the course is offered        | Midwifery                           |         |     |        |
| 8.                                                 | Language of teaching the course:                  | English                             |         |     |        |
| 9.                                                 | System of Study:                                  | Semester system                     |         |     |        |
| 10.                                                | Mode of delivery:                                 | Full time                           |         |     |        |
| 11.                                                | Location of teaching the course:                  | College of Medical Applied Sciences |         |     |        |

### III. Course Description:

This course is designed to acquire students with basic principles of statistics and how to deal with different data at various clinical settings and researches. Also this course focuses on descriptive inferential statistics as applied to health sciences student.

### V. Course Content:

- Distribution of Semester Weekly Plan of Course Topics/Items and Activities.

#### A – Theoretical Aspect:

| Order | Topics List                    | Week Due | Contact Hours |
|-------|--------------------------------|----------|---------------|
| 1     | Introduction                   | 1        | 2             |
| 2     | Describing data by table       | 2        | 2             |
| 3     | Describing data by chart       | 3        | 2             |
| 4     | Describe data by numeric value | 4-5      | 4             |

|                                         |                                    |       |    |
|-----------------------------------------|------------------------------------|-------|----|
| 5                                       | Sampling                           | 6     | 2  |
| 6                                       | Midterm exam                       | 7     | 2  |
| 7                                       | Correlation                        | 8     | 2  |
| 8                                       | Regression                         | 9     | 2  |
| 9                                       | Introduction to hypothesis testing | 10-11 | 4  |
| 10                                      | Introduction to hypothesis testing | 12    | 2  |
| 11                                      | SPSS program                       | 13-14 | 4  |
| 12                                      | Final exam                         | 15    | 2  |
| Number of Weeks /and Units Per Semester |                                    | 15    | 30 |

| B- Practical Aspect:                    |                |          |               |
|-----------------------------------------|----------------|----------|---------------|
| Order                                   | Topics List    | Week Due | Contact Hours |
|                                         | Not applicable | -        | -             |
| Number of Weeks /and Units Per Semester |                | -        | -             |

## VI. Teaching strategies of the course:

1. Lecture – Discussion
2. Assignment

## VIII. Schedule of Assessment Tasks for Students During the Semester

### Theoretical part

| No. | Assessment Method         | Week Due          | Mark | Proportion of Final Assessment | Aligned Course Learning Outcomes |
|-----|---------------------------|-------------------|------|--------------------------------|----------------------------------|
| 1   | Attendance and Activities | 15th week         | 5    | 5%                             | a1,b1,b2,d1                      |
| 2   | Student assignment        | 5th and 12th week | 5    | 5%                             | b1,b2,d1                         |
| 3   | Mid-term exam             | 7th or 8th week   | 20   | 20%                            | a1,b1,b2,d1                      |
| 4   | Final exam                | 16th-17th week    | 70   | 70 %                           | a1,b1,b2,d1                      |

| Practical part |                          |          |      |                                |                                  |
|----------------|--------------------------|----------|------|--------------------------------|----------------------------------|
| Assessment     | Type of Assessment Tasks | Week Due | Mark | Proportion of Final Assessment | Aligned Course Learning Outcomes |
|                | Not applicable           | -        | -    | -                              | -                                |