Module Description: Biostatistic

Module name	Course Module
Module level, if applicable	Bachelor of Science in Nursing (BSN)
Code, if applicable	17369R0102
Subtitle, if applicable	-
Course, if applicable	Biostatistic
Semester(s) in which the module is taught	VI
Person responsible for the module	Hapsah, S.Kep., Ns., M.Kep.
Lecturer	1.Rini Rachmawaty, S.Kep.Ns.MN. Ph.D. 2.Syahrul, S.Kep.Ns.M.Kes. Ph.D.
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a compulsory course and offered in the 6th semester.
Type of teaching, contact hours	Teaching methods used in this course are: - Lecture (i.e., project based learning, small group discussion,case study) - Structured assignments (i.e., essays and reflective paper) - statistic practice. The class size for lecture is approximately 50 students, while for clinical fieldwork is about 7-10 students for each lecturer. Contact hours for lecture is 11.67 hours, assignments is 14 hours, and practice is 39.76 hours.
Workload	For this course, students are required to meet a minimum of 79.33 hours in one semester, which consist of: - 11.67 hours for lecture, - 14.00 hours for structured assignments, - 14.00 hours for private study, - 39.76 hours for practice.
Credit points	2 credit points (equivalent with 3.17 ECTS)
Requirements according to the examination regulations	Students must have attended minimum 80% classes and submitted all class assignments that are scheduled before final tests.
Recommended prerequisites	Students must have passed all core nursing courses.
Module objectives/intended learning outcomes	After completing the course: **Knowledge** **CLO1: S**tudents will be able to examine theories about biostatistic, probability concept and it's relationship with research. **(K2)** **Competence** **CLO2:S**tudents will be able to improve interpretation and presentation validity and reliability testing of research instruments. **(C4)** **Skills**

	CLO3:Students will be able to explain, analyzing, interpretation and presentation inferential statistics (hypotesis testing: bivariat and multivariat). **(S1)**
Content	Students will learn about: - Relationship between statistics and research - Descriptive statistics - Data distribution, normality testing - Validity and reliability of instrument - Inferential Statistic (Hypotesis testing : bivariat and multivariat)
Forms of Assessment	1. Structured assignments (essays and reflective paper): 25% 2. Individual and group presentation: 20% 3. Statistics practice: 20% 4. Written exam: 35% 5. Class attendance and participation: prerequisite of written exam
Study and examination requirements and forms of examination	**Study and examination requirements:** - Students must attend 15 minutes before the class starts. - Students must switch off all electronic devices. - Students must inform the lecturer if they will not attend the class due to sickness, etc. - Students must submit all class assignments before the deadline. - Students must attend the exam to get final grade. **Form of examination:** Written exam: Essays
Media employed	Power Point Presentation & SPSS Software.
Reading list	1. Dahlan, Sopiyuddin. 2014. Statistik untuk Kedokteran dan Kesehatan. Jakarta, Salemba Medika. 2. Pagano M., Gouvreau K, 1992, Principles of Biostatistics. Duxbury Press, California. 3. Sabri L., Hastono SP, 2006, Statistik kesehatan, Jakarta: Radja grafindo persada.