

Module designation	Nursing Information System
Semester(s) in which the module is taught	3 <sup>rd</sup> Semester
Person responsible for the module	Annas Sumeru, M.Kep., Ns., Sp.Kep.MB
Language	Bahasa Indonesia; English
Relation to curriculum	Compulsory
Teaching methods	<ol style="list-style-type: none"> <li>1. Lecture and discussion</li> <li>2. Case-based learning</li> <li>3. Project-based learning</li> <li>4. Practicum</li> </ol>
Workload (incl. contact hours, self-study hours)	<p>Total contact hours of scheduled learning activities</p> <ul style="list-style-type: none"> <li>- In class session: 50 minutes/weeks for 16 weeks or 13,33 hours/semester</li> <li>- Laboratory session: 170 minutes/weeks for 16 weeks or 45,3 hours/semester</li> <li>- Self-study hours: 60 minutes/weeks or 16 hours/semester</li> <li>- Assignment: 60 minutes/week for 16 weeks or 32 hours/semester</li> </ul>
Credit points	2 credit points (1-1)/3,63 ECTS
Required and recommended prerequisites for joining the module	None
Module objectives/intended learning outcomes	<p>Upon completion of this course, the student will be able to:</p> <ol style="list-style-type: none"> <li>1. ILO 1 (A): Show devotion to God Almighty, demonstrate a professional attitude, apply ethical principles, and have legal and cultural perspectives in nursing based on the values of honesty, caring, and persistence in performing duties in the field of nursing; CLO 1: Analyse the value on implementing technology in nursing.</li> <li>2. ILO 2 (K): Master the application of nursing science and general skills in nursing; CLO 2: Understand the theories and concepts of information technology, information systems in general, and for nursing.</li> <li>3. ILO 3 (S1): Utilize technology for nursing development; CLO 3: Students understand trends and issues of Information systems in information technology in general and information technology for nursing</li> </ol>

Content	This course focuses on improving the ability and practice of nursing students in applying nursing information systems. This course will describe the latest technological developments used in hospitals globally, understand information systems and their constituent components, their use in health services and their specific impact in improving the quality of patient care. Learning methods include face-to-face, case-based learning and project-based learning.
Examination forms	<ol style="list-style-type: none"> <li>1. MCQ test</li> <li>2. Essay test</li> <li>3. Group performance discussion</li> <li>4. Case-based learning report</li> <li>5. Assignment report</li> <li>6. Project-based learning evaluation</li> <li>7. Practical report</li> </ol>
Study and examination requirements	<ul style="list-style-type: none"> <li>- Student must attend, at a minimum, 75% of face-to-face or synchronous online class meetings</li> <li>- Student must submit all assignments before the deadline</li> <li>- Student must attend the exam</li> </ul>
Reading list	<ol style="list-style-type: none"> <li>1. Hannah, KJ, Ball, MJ, &amp; Edwards, MJA (2006). Introduction to nursing informatics, Springer: New York</li> <li>2. Heardman, H et al (2012). NANDA International nursing diagnosis: Definitions &amp; classification 2012 – 2014. John Wiley &amp; Sons Inc: USA</li> <li>3. Indrajit, E (2001). Management of Information and Information Technology Systems. Jakarta: Gramedia Group</li> <li>4. Marquis, BL and Hudson, CJ (2014). Leadership roles and management functions in Nursing. Philadelphia: Lippincott</li> <li>5. Saba, K (2001). Essentials of computers for nurses. USA: McGraw-Hill Comp</li> <li>6. Staudinger, B., Hos, V., &amp; Ostermann, H (2011). Nursing and clinical informatics: Socio-technical approach. UK: IGI Global: Information Science Reference</li> <li>7. Ammenwerth, E., Rauegger, F., Ehlers, F., Hirsch, B., &amp; Schaubmayr, C. (2011). Effect of a nursing information system on the quality of information processing in nursing: An evaluation study using the HIS-monitor instrument. International journal of medical informatics, 80(1), 25-38. Moorhed, S.,</li> </ol>

	<p>Johnson, M., Maas, ML, Swanson, E. (2013). Nursing outcomes classification (NOC). St. Louis: Mosby</p> <p>8. Su, KW, &amp; Liu, CL (2012). A mobile Nursing Information System based on human-computer interaction design for improving the quality of nursing. <i>Journal of Medical Systems</i>,36(3), 1139-1153.</p> <p>9. McNeil, BJ, Elfrink, VL, Bickford, CJ, Pierce, ST, Beyea, SC, Averill, C., &amp; Klappenbach, C. (2003). Nursing information technology knowledge, skills, and preparation of student nurses, nursing faculty, and clinicians: A US survey.</p> <p>10. Oroviogoicoechea, C., Elliott, B., &amp; Watson, R. (2008). Evaluating information systems in nursing. <i>Journal of Clinical Nursing</i>,17(5), 567-575.</p>
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