Module Description

Module name	Science and Technology Insights
Module level, if applicable	Bachelor of Informatics
Code, if applicable	18Y01110802
Subtitle, if applicable	-
Course, if applicable	-
Semester(s) in which the module is taught	1st
Person responsible for the module	Dr. Syahruddin Kasim, S.Si, M.Si.
Lecturer	Dr. Syahruddin Kasim, S.Si, M.Si.
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a compulsory course and offered in the 1st semester.
Type of teaching, contact hours	Teaching methods: [group discussion], [problem-based learning]. Teaching forms: [lecture] CH : 08.00 - 16.00
Workload	For this course, students are required to meet a minimum of 90.75 hours in one semester, which consist of: - 26.67 hours for lecture, - 32 hours for structured assignments, - 32 hours for private study.
Credit points	2 credit points (equivalent with 3.4 ECTS)
Requirements according to the examination	Students have participated in at least 80% of the learning activities (Academic Regulations, Chapter VII)

regulations	
Recommended prerequisites	-
Module objectives/intended learning outcomes	After completing the course, Students are able: **Intended Learning Outcomes (ILO):** **ILO 1 :** Have the knowledge of fundamental Computing Science that includes basic theory and concept of computer science, Mathematics and Statistics, Programming Algorithm, Software Engineering and Information System [ILO 1] - K **ILO 5 :** Accomplish the tasks within their professional responsibilities based on legal and ethical principles [ILO 5] - A **ILO 8 :** Acknowledge the difference points of view of others that includes believes, cultures, ideas and original invention [ILO 8] - A **Course Learning Objective (CLO):** After attending the Science and Technology Insights for one semester, students are able to describe and formulate problems related to the substance of Science, Technology, and Arts in accordance with the Vision and Mission of Unhas based on ethical values and character in an integrated manner, using an approach based on the Insight Principles of Science, Technology and the Arts (Principles of Insight into Science, Technology and the Arts) and demonstrating or presenting the right problems in choosing alternative actions in complex situations (wrong arguments and wrong facts) based on the science and technology code of ethics. **Sub CLO :** ILO 8 → Sub-CLO 1 : Students are able to explain the Unhas Vision and Mission based on integrated ethical and character values, using Science,Technology and art Insight Principles) ILO 1 → Sub-CLO 2 : Students are able to explain, describe and formulate comprehensively the problems related to the substance of Science and Technology

	ILO 5 → Sub–CLO 3 : students are able to demonstrate the selection of alternative actions in complex situations (erroneous arguments and false facts) based on the science and technology code of ethics
Content	Students will learn about : 1. Introduction to Science and Technology Insights. 2. Humans and the Universe 3. Science 4. The Development of Science 5. Technology 6. The Relationship of Science and Technology 7. The Development of Technology 8. The Impact of the Development of Science and Technology in Various Fields 9. Art and Magnificence 10. Integrity and Ethics
Forms of Assessment	Assessment techniques: [participation], [written test]. Assessment forms: [midterm exam], [final term exam], [assignment]. ILO 8 --> CLO 1: 25% (Assignment: participation) ILO 1 --> CLO 2: 50% (Midterm Exam: written test) ILO 5 --> CLO 3: 25% (Final Term Exam: written test)
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: Essay
Media employed	Video conference, slide presentation, Learning Management System (LMS).
Reading list	**Main :** 1. Kasim, S. 2017. Filosofi Wawasan Ipteks (Teaching Book of UNIVERSITAS HASANUDDIN). ISBN: 978-602-6332-12-7. Pustaka Pena Press. Makassar.

2. Unhas Science and Technology Insight Lecturer Team, 2013, Science and Technology Insights textbook of Head of Study Program, 6th Edition, UNIVERSITAS HASANUDDIN, Makassar.
3. Usman, H., et al. 2014. Textbook of Science and Technology Insights (Using a Learning Approach). Head of Study Program of UNIVERSITAS HASANUDDIN. ISBN: 978-602-99757-8-9. Offset CV. Gelora Printing. Makassar.

Support :
1. Dadang Ahmad S., 2009. Head of Study Program Workshop Materials for Science and Technology Insights UNIVERSITAS HASANUDDIN (Combined Science and Technology Learning Materials), Makassar.
2. Kartono, H. 2003. Pencemaran Lingkungan. Director-General of Higher Education, Ministry of National Education, Jakarta.
3. Kosela, S. 2003. Ilmu Pengetahuan dan Teknologi bagi Kehidupan Manusia. Director-General of Higher Education, Ministry of National Education, Jakarta.
4. Mappadjantji Amien, 2009. Science and Technology Insights (Philosophy and Conceptual Framework), Head of Study Program Workshop Materials for Science and Technology Insights UNIVERSITAS HASANUDDIN, Makassar.
5. Masnur Muchlis, 2011. Pendidikan Karakter, Menjawab Tantangan Krisis Multidimensial. PT. Bumi Aksara, Second Printing. Jakarta.
6. Stock, Paul and Rob JF Burton, Journal of Sustainability, 2011. ISSN 2071-1050, 3, 1090-1113;doi;10.3390/su3081090.
7. Suriasumantri, Jujun,. 2003. Filsafat Ilmu Sebuah Pengantar Populer. Pustaka Sinar Harapan, Jakarta, and other related literature.