Module designation	*Wawasan dan Kajian MIPA*
Semester(s) in which the module is taught	*4*
Person responsible for the module	*Husna Arifah, M.Sc*
Language	*Bahasa Indonesia*
Relation to curriculum	*Compulsory course*
Teaching methods	*100 minutes lectures and 120 minutes structured activities per week.*
Workload (incl. contact hours, self-study hours)	*Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks.*
Credit points	*2*
Required and recommended prerequisites for joining the module	*-*
Module objectives/intended learning outcomes	*1 Respecting cultural, religious, and belief diversity, as well as diversity of opinion, and contributing to social, national, and state life based on Pancasila* *2 Demonstrating a responsible attitude in integrating MIPA insights into daily life* *3 Demonstrating a responsible attitude in using scientific methods to solve problems in MIPA* *4 Demonstrate a rational attitude in mathematics by using correct logic and reasoning*
Content	*This course discusses basic MIPA methods (scientific methods) in problem solving and ways/techniques of drawing conclusions based on correct reasoning (mathematical logic) rules.* *This study also covers basic science concepts and their latest developments. Learning Process* *The Science Insight and Study lecture is conducted in a contextual, integrative, and interactive manner, with a student-centered approach.*
Examination forms	*CO1: Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude.*

Study and examination requirements	*The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.*

The final mark will be weight as follow:

No	CO	Assessment Object	Assessment Technique	Weight
1	CO 1	a. Presentation b. Discussion	Observation	5% 10%
2	CO 2, CO 3, CO 4	a. Individual assignment b. Group assignment c. Quiz d. Midterm e. Final test	Written	10% 10% 20% 20% 25%
	Total			100%

Reading list	*1. Jujun S. Suriasumantri. (2007). Filsafat Ilmu Sebuah Pengantar Popular. Jakarta: Pustaka Sinar Harapan* *2. Peter Soedojo. (2004). Pengantar Sejarah dan Filsafat Ilmu Pengetahuan Alam. Yogyakarta: Gadjah Mada University Press.* *3. Sukirman, 2006. Logika dan Himpunan. Yogyakarta: Hanggar Kreator* *4. Tarski, Alfred. 1994. Introduction to Logic and to the Methodology of Deductive Sciences. New York : Oxford University Press* *5. H 'Arifah, D Lestari and E R Sari(2019), Stability analysis of endemic equilibrium points on cancer cells mathematical model*