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| Module designation | Additive and Addictive Substances |
| Module level, if applicable | Undergraduate |
| Code, if applicable | PIPAUM6605 |
| Subtitle, if applicable | - |
| Courses, if applicable | - |
| Semester(s) in which the module is taught | Odd |
| Person responsible for the module | Muhammad Fajar Marsuki, S.Pd., M.Sc. |
| Lecturer | Muhammad Fajar Marsuki, S.Pd., M.Sc., Dr. Yahmin, M.Si. |
| Language | Bahasa Indonesia |
| Relation to curriculum | Undergraduate degree program, compulsory, 3rd semester |
| Type of teaching, contact hours | Direct Instruction and Cooperative Learning for Lectures, 100 minutes for lectures |
| Workload | 1. Lectures: 2 x 50 = 100 minutes (1,67 hours) per week
2. Exercise and Assigments: 2 x 60 minutes = 120 minutes (2 hours) per week
3. Private Study: 2 x 60 minutes = 120 minutes (2 hours) per week
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| Credit points | 2 credit points (~3.17 ECTS-eq) |
| Requirements according to the examination regulations | A student must have attended at least 80% of the lectures to sit in the exams. |
| Recommended prerequisites | Basic Biology II, Environmental Chemistry |
| Module objectives/intended learning outcomes | After completing this module, a student is expected to:LO4 Analyze and communicate science phenomena in an integrated manner to solve problems |
| Content | 1. Types of addictive substances
2. Mechanism and effect of addictive substances on the body
3. Addictive substance abuse
4. Legal aspects of addictive substances
5. Prevention and handling of addictive substance abuse
6. Types of food additives
7. The function of food additives
8. Mechanism and effect of additives on the body
9. Additive abuse
10. Legal aspects of additives
11. Prevention and handling of additive substance abuse.
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| Study and examination requirements and forms of examination | Measuring student learning achievement by assessing presentations, class discussions, drafting papers, making campaign videos, midterm and final semester exams |
| Media employed | Whiteboard, Power Point, Platform Youtube, Moodle (SIPEJAR) |
| Reading list | 1. Coleman, M.D. 2005. Human Drug Metabolism. Inggris: John Wiley & Sons Ltd
2. Suryawati, S., Widhyharto, D.S., dan Koentjoro. 2015. UGM Mengajak: Raih Prestasi Tanpa Narkoba. Yogyakarta: UGM Press
3. Tim Ahli BNN. 2010a. Mahasiswa dan Bahaya Narkotika. Jakarta: BNN
4. Tim Ahli BNN. 2010b. Penyalahgunaan Narkoba dan Upaya Penanggulangannya. Jakarta: BNN
5. UU Republik Indonesia nomor 35 tahun 2009 tentang Narkotika
6. UU Republik Indonesia nomor 5 tahun 1997 tentang Psikotropika
7. Peraturan Pemerintah Republik Indonesia nomor 109 tahun 2012 tentang pengamanan bahan yang mengandung zat adiktif berupa produk tembakau bagi kesehatan
8. Peraturan Menteri Kesehatan Republik Indonesia nomor 722/MENKES/PER/IX/88 tentang bahan tambahan makanan
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