



Universitas Gadjah Mada

Faculty of Pharmacy

Doctoral Study Program in Pharmaceutical Science

Advanced Pharmacoeconomics (3,2 ECTS/ 2 CSU)

Code/Status	FAS3220119/Elective
Module designation	Doctoral Study Program in Pharmaceutical Science
Semester(s) in which the module is taught	1
Person responsible for the module	Prof. Dr. apt. Tri Murti Andayani, Sp. FRS Dr. apt. Dwi Endarti, M.Si
Language	Indonesian
Teaching methods	Problem-based learning, 100 minutes/weekly and 14 weeks during the semester
Workload (incl. contact hours, self-study hours)	100 minutes of in-class lectures
Credit points	3,2 ECTS/2 CSU
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Students are expected to be able to be proficient in pharmacoeconomic involves measuring a spectrum of outcomes ranging from economic and clinical to humanistic. This expertise extends to conducting analyses through various methodologies, including clinical trials, observational data, and modelling. Furthermore, adept professionals can interpret study results to guide policy and clinical practices while also critically evaluating relevant literature to ensure evidence-based recommendations.
Content	This course describes various pharmacoeconomic analyzes; measurement of effectiveness and patient-reported outcomes; decision analysis models and sensitivity analysis; Pharmacoeconomic applications in drug selection and disease management.
Examination forms	
Study and examination requirements	A-E. 60% project/case. 40% presentation and case discussion.



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Reading list	<p>Main:</p> <ol style="list-style-type: none">1. Bootman JL., Townsend RJ., McGhan WF. 2015, <i>Principles of Pharmacoeconomics</i>, 3rdEd, Harvey Whitney Books Company, Cincinnati2. Walley T., Haycox A., Boland A. 2004, <i>Pharmacoeconomics</i>, Churchill Livingstone, Philadelphia <p>Additional:</p> <ol style="list-style-type: none">1. Rascati KL. 2009, <i>Essentials of Pharmacoeconomics</i>, Lippincott Williams and Wilkins, Philadelphia2. Rychlik R. 2002, <i>Strategies in Pharmacoeconomics and Outcomes Research</i>, Pharmaceutical Product Press, New York3. Vogenberg FR. 2001, <i>Introduction to Applied Pharmacoeconomics</i>, Mc Graw-Hill Companies, USA
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