

Module Name	Population Planning (Practicum)
Module level, if applicable	
Code, if applicable	GEL 0307
Subtitle, if applicable	
Semester(s) in which the module	Fourth (5 <sup>th</sup> ) Semester
Person responsible for the module	Muh. Arif Fahrudin Alfana, S.Si., M.Sc
Lecturer	Muh. Arif Fahrudin Alfana, S.Si, M.Sc
Language	Bahasa Indonesia
Relation to curriculum	Elective
Type of teaching, contact hours	STAR ( <i>Student Teacher Aesthetic Role-Sharing</i> ) is an optimal combination between SCL ( <i>Student Centered Learning</i> ) and TCL ( <i>Teacher Centered Learning</i> ). Assistance : 700 minutes
Workload	Assistance, including homework and discussion = 7 meetings x 100 minutes each Examination = 1 meetings x 100 minutes each Total workload = 800 minutes
Credit points	1
Requirements according to the examination regulations	All of practicum reports are binding. Absence requirement is only for 2 meetings Absence student must follow and catch up the practicum with the assistance in another schedule, also pay for it (Rp. 50.000)
Recommended prerequisites	-
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> <li>1. After following <b>Prorate and Sprague Splitting Age</b>, students are able to: perform distribution of age group by using prorated method and sprague splitting age</li> <li>2. After following <b>Quadratic Age Trimming</b> students are able to: solve age grouping by quadratic method</li> <li>3. After following <b>Introduction Spectrum Program for Population Projection</b>, students are able to: know spectrum program for the needs of population planning</li> <li>4. After following <b>Population Projection Using Spectrum Program : Building Assumptions in a Planning</b>, students are able to: build assumptions for population planning on a spectrum program</li> <li>5. After following <b>Population Projection Using Spectrum Program</b>, students are able to : doing population projection using spectrum program and analyze output of population projection</li> <li>6. After following <b>Educational Needs Planning</b> students are able to: calculate projection of total class and number of teachers; make educational planning needs; analyze educational conditions in selected provinces</li> <li>7. After following <b>Health Needs Planning</b>, students are able to: calculate the ratio between number of patients (population) with number of doctors ; analyze health sectors needs for health planning</li> </ol>

Content	1. Prorate and Sprague Splitting Age 2. Quadratic Age Trimming 3. Introduction Spectrum Program for Population Projection 4. Population Projection Using Spectrum Program : Building Assumptions in a Planning, 5. Population Projection Using Spectrum Program, 6. Educational Needs Planning 7. Health Needs Planning
Study and examination requirements and forms of examination	Pretest/Quiz (10 %), Individual Assignment (10 %), Practical Activities (20%), Practicum report (30%) and Final Examination (30%). Examination formed in written test.
Media employed	- Internet - Computers - Interactive video - LCD projector
Reading list	Primary: Mantra, I. B. (2000). <i>Demografi Umum</i> . Yogyakarta: Pustaka Pelajar Siegel, J. S. and D. A. Swanson (2004). <i>The Methods and Materials of Demography (Second Edition)</i> . California: Elsevier Academic Press Tukiran (2010). <i>Kependudukan</i> . Jakarta: Universitas Terbuka. USAID. 2008. <i>DemProj: A Computer Program for Making Population Projection</i> . USAID <a href="http://futuresgroup.com/resources/software/spectrum/">http://futuresgroup.com/resources/software/spectrum/</a> Supported: Demeny, P. and McNicoll, G. (2003). <i>Encyclopedia of Population</i> . New York: Macmillan Murdock, S.H. and Swanson, D. (2008). <i>Applied Demography in the 21th Century</i> . Springer Preston, S.H, Heuveline, P., Guillot, M. (2000). <i>Demography: Measuring and Modeling Population Processes (1st Edition)</i> . Wiley-Blackwell