



UNIVERSITAS NEGERI YOGYAKARTA
FAKULTAS MIPA

SILABI

FRM/FMIPA/063-01
18 Februari 2011

Fakultas	: Matematika dan Ilmu Pengetahuan Alam
Program Studi	: Pendidikan Matematika
Mata Kuliah/Kode	: Bahasa Inggris Pend Matematika 2 /PMA209
Jumlah SKS	: Teori=2; Praktek=0
Semester	: 6
Mata Kuliah Prasyarat/kode	: English for Mathematics Education 1
Dosen	: Endah Retnowati, Ph.D.

I. Course description

During the lecture, four main literacy skills in English: reading, writing, listening and speaking, are covered. These are focused on mathematics education context, including pedagogic skills. Selected articles or research publications are used to practice effective reading and summary writing. Writing tasks also include assessment reports and lesson plan. Listening and speaking skills are integrated during discussions on reading or writing tasks. These skills are particularly facilitated through presentations to communicate ideas, raise questions and respond to other comments as well as conducting mathematics classroom instructions in english.

II. Standard of Competence

This lecture is proposed to develop advance English skills for academic and teaching purpose.

Basic competencies can be found in the table of activities planning below.

III. Activity planning

Meeting	Basic Competency	Main activity	Lecture strategy	Assessment aspect
1	Organize course schedule, strategy and expectation	Syllabus and contract Pre-test Daily conversations	Classroom discussion Practice speaking	Students participation
2	Explain the meaning of to-be-read articles	Reading an article about learning process	Taking notes of common vocabulary and domain specific vocabulary. Every individual reads an assigned paragraph for the whole classroom then articulate it using own words Completing questions on the reading	Pronunciation, generated meaning, completed questions



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4	Perform comprehensive assessment reports	Writing assessment reports	Writing report of student's achievement on table/chart/observation sheet	Completed rubrics and structured report
5	Perform comprehensive assessment reports	Writing assessment reports	Writing report of student's achievement on table/chart/observation sheet	Completed rubrics and structured report
6	Write various mathematical word problems and the solutions	Writing mathematics word problems and the solutions	Individual work on the writing and discussion with peers	Mathematics word problems based on algebra, arithmetics, geometry and statistics (or combined) and the solution
7	Perform various mathematical word problems and the solutions	Writing mathematics word problems and the solutions	Individual work on the writing and discussion with peers	Mathematics word problems based on algebra, arithmetics, geometry and statistics (or combined) and the solution
8	Mid-exam			
9	Write lesson plan and conduct peer-teaching in groups	Writing lesson plan Practice peer-teaching	Group practice and then individual practice	Structured and accurate writing expressions
10	Write lesson plan and conduct peer-teaching in groups	Writing lesson plan Practice peer-teaching	Group practice and then individual practice	Structured and accurate writing expressions
11	Write lesson plan	Writing lesson	Group practice and	Structured and



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	and conduct peer-teaching in groups	plan Practice peer-teaching	then individual practice	accurate writing expressions
12	Write lesson plan and conduct peer-teaching in groups	Writing lesson plan Practice peer-teaching	Group practice and then individual practice	Structured and accurate writing expressions
13	Write lesson plan and conduct peer-teaching in groups	Writing lesson plan Practice peer-teaching	Group practice and then individual practice	Structured and accurate writing expressions
14	Write lesson plan and conduct peer-teaching in groups	Writing lesson plan Practice peer-teaching	Group practice and then individual practice	Structured and accurate writing expressions
15	Present a research result written and orally , express idea, raise questions, and respond to comments	Reading a research result (journal article) and presenting to classroom	Individual writing and group presentation	Expressing idea, raising question and responding comments
16	Present a research result written and orally , express idea, raise questions, and respond to comments	Reading a research result (journal article) and presenting to classroom	Individual writing and group presentation	Expressing idea, raising question and responding comments

IV References

Hand-outs of English for Mathematics Education 2.
P3B. 2008. *Classroom english for bilingual instruction*. Yogyakarta: Universitas Negeri Yogyakarta.

Students are encouraged to read:

- Mathematics handbooks or textbooks in English.
- International journal articles on mathematics education.
- English-English dictionary.
- English grammar books.
- IELTS or TOEFL books.
- And any reading, video or recording in English



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V Assessment

No	Component	Weight (%)
1	Classroom participation (including completed tasks every meeting or homeworks)	20
2	Assignments and Presentations	40
3	Mid term test	20
4	End of term test	20
Total		100

Agreed
Ketua Jurusan Pend. Matematika

Yogyakarta, 6 February 2015
Lecturer

Dr. Sugiman, M.Si.
NIP. 19650228 199101 1 001

Endah Retnowati, Ph.D.
NIP. 19801228 200212 2 003