



**YOGYAKARTA STATE UNIVERSITY
FACULTY OF MATHEMATIC AND SCIENCE**

SILLABY

Faculty : MIPA
Study Program : Science Education
Course & Code : Labwork of Science Education
Credis of semester : 1 SKS
Semester : 3
Prosequite & Code : PSC 102
Dosen : Dr. Insih Wilujeng & Purwanti Widhy H, M.Pd

I. Course description :

Mata praktikum ini mengembangkan kompetensi dalam mengungkap berbagai fenomena dalam pendidikan IPA yang berkaitan dengan: perencanaan pembelajaran IPA, membimbing siswa melakukan investigasi dan inkuiri untuk memecahkan masalah IPA, merefleksi dan meningkatkan potensi diri sehingga dapat berpartisipasi dalam mengembangkan program sekolah yang berkaitan dengan pembelajaran IPA

II. Standard of competence :

Mengembangkan kompetensi dalam merencanakan pembelajaran IPA

III. Activity :

meeting	Basic competence	Learning concept	Learning strategy	reference
1		Silabus dan kontrak perkuliahan		
2	ANALYZED SCIENCE PROCESS SKILL IN SCIENCE (PHYSICS, LIFE SCIENCE AND CHEMISTRY)	ANALYSIS AND MAKE REPORT SCIENCE PROCESS SKILL IN SCIENCE (PHYSICS, LIFE SCIENCE AND CHEMISTRY)	Diskusi dan workshop	A1-A6
3		PRESENTATION ANALYSIS SCIENCE PROCESS SKILL IN SCIENCE	Workshop	A1-A6
4.	ANALYZED SCIENCE THINKING SKILL	ANALYSIS AND MAKE REPORT SCIENCE THINKING SKILL	Workshop	A1-A6
5		PRESENTATION ANALYSIS SCIENCE THINKING SKILL		
6	ANALYZED SYNTAX OF DIRECT INSTRUCTION	ANALYSIS SYNTAX OF DIRECT INSTRUCTION	Workshop	A1-A6
	ANALYZED SYNTAX OF COOPERATIVE LEARNING	ANALYSIS SYNTAX OF COOPERATIVE LEARNING	Workshop	A1-A6
7		PRESENTATION ANALYSIS SYNTAX OF DIRECT INSTRUCTION AND COOPERATIVE LEARNING	Workshop	A1-A6
8.	MAKE TASK ANALYSIS (CURRICULUM	MAKE TASK ANALYSIS (CURRICULUM ANALYSIS)	Workshop	A1-A6

9.	ANALYSIS, SUBJECT MATTER ANALYSIS)	PRESENTATION TASK ANALYSIS (CURRICULUM ANALYSIS)	Workshop	A1-A6
10.		MAKE TASK ANALYSIS (SUBJECT MATTER ANALYSIS)	Workshop	A1-A6
11.		PRESENTATION TASK ANALYSIS	Workshop	A1-A6
12.	MAKE SILABY	MAKE SILABY	Workshop	A1-A6
13.	MAKE LESSON PLAN	MAKE LESSON PLAN	Workshop	A1-A6
14.		PRESENTATION SILABY AND LESSON PLAN	Workshop	A1-A6
15	MAKE ASSESMENT	ASSESMENT	Workshop	A1-A6
16	MAKE WORKSHEET	WORKSHEET	Workshop	A1-A6

IV. Reference :

A. Wajib:

1. Arends, Richard I. 1997. *Classroom Instruction and Management*. McGraw-Hill: NewYork
2. Joyce, Bruce, Weil Marsha, & Calhoun, Emily. *Models of Teaching* (Terjemahan). Pustaka Pelajar: Yogyakarta.
3. Chiapetta, Eugene L. & Koballa, Thomas R. 2010. *Science Instruction in the Middle and Secondary Schools*. NewYork: Pearson.
4. Kemp, Jerrold E. (1977). *Instructional Design*. California: David S. Lake Publishers.
5. KTSP IPA SMP dan Kurikulum 2013
6. MODUL MODEL MODEL PEMBELAJARAN

B. Anjuran:

V. Penilaian :

Penilaian ditentukan dari berbagai aktivitas dengan bobot masing-masing sebagai berikut.

No	Aktivitas	Bobot (%)	Keterangan
1	Kehadiran	5	Dari 15 pertemuan
2	Tugas-tugas	30	a. Tugas (kelompok)
3.	Quiz	10	
3	Keaktifan	20	a. Diskusi b. Presentasi
4	Ujian akhir semester (UAS) (RESPONSI)	35	Sesuai jadwal fakultas
	Jumlah	100%	

Yogyakarta, september 2013
Dosen

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