



LESSON PLAN

RPP/MAA 319/14
1 April 2010

1. Faculty /Study Program : Mathematics and Natural Science/Mathematics Education
2. Course / Code : Computer Programming, MAA 319
3. Credit : Theory : 2 Practice : 1
4. Semester/Time : Sem: V, Time : 2 x 100 minutes
5. Basic Competence : Students are able to compose a program that contain functions
6. Indicator :
 - Students are able to explain the objective of function
 - Students are able to explain the difference of procedure and function
 - Students are able to use function to compose a program
7. Essential Concepts : FUNCTIONS
8. Learning Activity : 29

Component	Detail Activity	Time	Method	Media	References	Character
Opening	Lecturer explain the aim of the course and give motivation	5'	Explanation and Discussion	Computer, LCD	A:46-48, B.2	Thinking logically, critically, creatively, and innovatively Caring about social matters and environment
Main Activities	<ul style="list-style-type: none"> • Lecturer explains the objective of functions • Students are invited to give active participation in the discussion to compose a function for some problems • In pair, students discuss to their first result • Students present their discussion result in front of class • Other students give their opinion 	75'	Explanation Demonstration, Discussion, practice, group work			
Closure	<ul style="list-style-type: none"> • Student and lecturer conclude today's materials • Lecturer gives programming assignment 	10'				
Follow up	Students are asked to try some program that contain functions and observe the result	10'				

Learning Activity : 30 (practice, 1 sks practice = 100')

Component	Detail Activity	Time	Method	Media	References	Character
Opening	Lecturer explains the aim of the course and give motivation	5'	Explanation and Discussion	Computer, worksheet		Thinking logically, critically, creatively, and innovatively
Main Activities	Students practice and do exercises to compose a program that contain functions	80'	Practice, by self/in a group		worksheet / quiz	Caring about social matters and environment
Closure	Lecturer gives feedback to the result of students' work	10'	Explanation			
Follow up	Students are supposed to explore themselves all of the material that have learned in the course.	5'	Explanation			

9. Assessment

Write down a program that contain a function to find $n!$ (n factorial)

10. References

A. Compulsory :

Sri Andayani, 2010. Handout of Computer Programming, FMIPA UNY.

B. Additional

1. Jogiyanto, H.M. (1989). Turbo Pascal, Yogyakarta, Andi Offset
2. <http://pascalprogramming.byethost15.com>
3. <http://www.taoyue.com>
4. <http://www.geocities.com/SiliconValley/Horizon/5444/>

Yogyakarta, 23 August 2010
Lecturer,

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