



Universitas Gadjah Mada
 Faculty of Agriculture
 Department of Fisheries

Course Syllabus

Course Code	Course Name	Credits	Semester	Course Status	Requirement
PIT 3118	Fish Nutrition	2	-	Optional	-
Learning Outcome	1	Able to understand and explain fish as a source of nutrition.			
	2	Able to explain the nutrients in fish (protein, fat, minerals, vitamin)			
	3	Able to explain the needs and the sufficiency of nutrients			
	4	Able to explain the efforts to increase the nutritional value through fish consumption, including fortification and supplementation			
	5	Able to analyze the effect of processing methods on the fish nutritional value			
Course Description	Fish Nutrition is a course prepared for undergraduate student that provides a comprehensive knowledge of fish as the sources of nutrition and methods for increasing the nutrition value through fish consumption.				
Course Content	<ol style="list-style-type: none"> 1. Nutritional aspects of protein: classification, sources, function of protein, protein metabolism, protein in fish, 2 meeting 2. Nutrition aspects of lipid: classification, sources, function of lipid, lipid metabolism and nutritional aspects of lipid in fish, 2 meeting 3. Nutritional aspects of vitamins: classification, sources, functions, nutritional aspects of vitamins in fish, 1 meeting 4. Nutritional aspects of minerals: classification, sources, properties, functions, nutritional aspects of mineral in fish, 1 meeting 5. The evaluation, needs and sufficiency of nutrition, 1 meeting 6. Fortification and supplementation, 1 meeting 7. Nutritional aspects of food processing, 2 meeting 8. Case study (4 meeting) 				
Reference	<ol style="list-style-type: none"> 1. Bardanier, C.P., Dwyer, J.T., Heber, D. 2013. Handbook of Nutrition and Food. 3rd ed. CRC Press. 1136p 2. Hall, G.M. 1997. Fish Processing Technology. Blackie Academic and Professional. 3. Venugopal, V. 2006. Seafood Processing. Taylor and Francis. 505p 4. Shils, M., Shike, M., Ross, A.C., Cabaltero, B., and Cousins, R.J. 2006. Modern Nutrition in Health and Disease. Lippincott Williams and Wilkins 				

Lecturer	Dr. Siti Ari Budiyanti and Dr. Indun Dewi Puspita
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