Obligatory	Acarology	PNH
module or		4238
Selective		
module		
Semester	Odd Semester	
Module level	Undergraduate	
Module	Dr. Ir. Nugroho Susetya Putra, M.Si	
Coordinator		
Lecturer(s)	Dr. Ir. Nugroho Susetya Putra, M.Si	
	Dr. Ir. Arman Wijonarko, M.Sc.	
Type of Module	1 hour 40 minutes lecture	
	Laboratory work	
Status	E (elective courses)	
Exam	Written	
Number of		
participants		
Credit Points:	2/1 (5.02 ECTS)	
	biological and ecological aspects of Acari, especially in reagricultural ecosystems (agroecosystems) to manage their por Discussion of aspects of biology includes morphology, anattaxonomy of Acari. Meanwhile, the ecological aspect discurrelationship of Acari with the abiotic environment, and components, namely host plants and natural enemies. The course material is given using face-to-face and discussion with the lecturer acting as the facilitator as well as the coordinate discussion. Practicum is carried out in the laboratory at Assessments to students are carried out using exams at the mend of the semester, coupled with assignments of lectures and work. The final assignment of the practicum is to make a prepthe Acari which is intended to provide a real picture about them students must look for it in nature, study bioecology, then id species found.	pulations omy, an usses th nd bioti methods ator of th and field hiddle an d practica aration o , becaus
Academic goal	Provide an explanation and understanding to students a	about th
(competency)	importance of Acari in nature, and especially in the agroed Thus, students understand strategies to manage their pop nature.	cosystem
Learning outcom		
a. Using observation appropriate for the	s course students are expected to: ion techniques of the general morphology of the body of Acari w e purposes of species identification.	
b. Motivated to ob	serve and examine the bioecology of Acari in the laboratory and	d in

b. Motivated to observe and examine the bioecology of Acari in the laboratory and in nature.

c. Designing an Acari control strategy based on the results of studies in the laboratory and in nature.

## Contents:

The course begins with an explanation of Acari including morphological, anatomical, and bioecological characters. The next material is the relationship between Acari and plants / plants and their natural enemies. Then proceed with identification and introduction of the Acari pest in food plants, horticulture, and plantations. The final material is the identification of strategies and techniques for managing the population of Acari.

Which previous course required? Agricultural Zoology

## Literature:

Gerald W. Krantz & D. E. Walter, ed. (2009). A Manual of Acarology (3rd ed.)

Materials provided: Slide of presentation

Requirements for exam:75% Attendance

Teaching Lectures, Discussion, Assignments

method(s)

Workload (hrs).

Theoretical of course: 14 times

Lab work: 7 times

Home studies: Making a preparation of the Acari