

- Subject: **Medicinal Plant Resources**
- Module: **Medicinal Plant Resources 1**
- Participants: Foreign students (2nd - 5th years)
- Responsible for training : **Department of Botany**
- Prerequisite subject: Botany
- Units: 02
- Time: 30 standard hours (Theory: 16 hours; Practice: 14 hours).

1. Objectives of subject

By the end of training, participants will be able to:

- Analysis components and values of medicinal plant resources (MPR).
- Make a description of MPR in the world and Vietnam.
- Analysis threats of MPR and methods of MPR conservation.
- Design and practice main parts in basic investigation of MPR in local field.

2. Objective of modules

By the end of training, participants will be able to:

- Analysis two components and four values of medicinal plant resources (MPR).
- Make a description of MPR in the world and Vietnam.
- Analysis threads of MPR and three methods of MPR conservation.
- Implement field survey with tools in basic investigation of MPR.
- Identify most common families and genus of voucher specimens of medicinal plants.
- Analysis current situation, problems and proposals of conservation MPR in field.
- Write and present a final report of investigation of MPR in field.

3. Description of module

No	Contents	Theory	Practice		Seminar
			In campus	In field	
1.	Theory Overview of medicinal plant resources	2			
2.	Characteristics of MPR Values of MPR	2			
3.	Natural and social conditions of MPR in Vietnam	3			
4.	Developing process of MPR in Vietnam	3			
5.	Threats of MPR Participants of MPR conservation.	3			
6.	Methods of MPR conservation	3			
Practice: <i>Topics: Investigate, analysis current status and propose solutions of MPR conservation of Red Daos minority people in Sa Pa district, Lao Cai province</i>					
7.	Design questionnaires for interview		4		
8.	Instruction using tools in field practice.		2		
9.	Collect information of socio-economic factors related to conservation and sustainable development of MPR			3	
10.	Collect information of primary health care and epidemiology of Ta Phin Village (Sapa, Lao Cai)			3	
11.	Transect walk with herbal healers in the forest to collect medicinal plant data.			6	
12.	Market survey			3	
13.	Processing voucher specimens		4		
14.	Identify families of voucher specimens		4		
15.	Identify genus of voucher specimens		4		
	Sum	16	18 = 9x2	15 = 5x3	

Note: 2 practical hours in campus and 3 practical hours in field are equal to 1 standard hour

4. Evaluation

- Essay: 60%
- Presentation: 40%
- 10 score level will be evaluated.

5. Documents

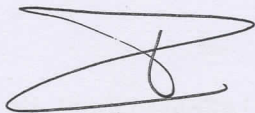
- Handouts.

6. References

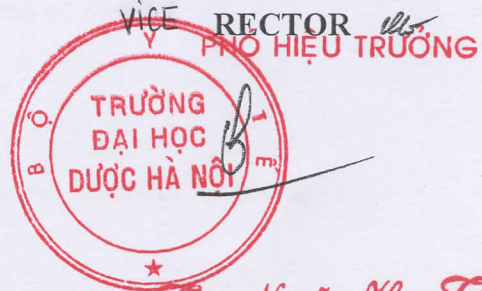
- Martin, G.J (2002) , Ethnobotany, People and Plant Conservation Series.
- Clive A. Stace (1989), Plant Taxonomy and Biosystematics, Cambridge University Press.
- Geesink R., A.J.M. Ridsdale, J.F. Velkamp (1981), Thonner 's analytical key to the families of flowering plants, PUDOC & Leiden University Press.

Hanoi, May 12, 2015

Department of Botany



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