# Practice-based eco-farming training program for students of the Vietnam National University of Agriculture (16 April – 7 May 2017)

<table>
<thead>
<tr>
<th>TT</th>
<th>Time</th>
<th>Activity</th>
<th>Who Respond for</th>
<th>How to work</th>
<th>Exercises for course-end evaluation</th>
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<tbody>
<tr>
<td>1</td>
<td>April 16 AM</td>
<td>Welcome students to HEPA. Introduction of HEPA’s regulation (DOs and DON'Ts). Grouping in teams and selecting team leaders. Teams will work and stay in different models.</td>
<td>Mr. Viet, Ms. Minh Phuong, garden owners</td>
<td>Student’s personal introduction for acquaintance; Introduction of HEPA’s regulation; Introduction of HEPA’s mapping system; distribution of copies of HEPA’s regulation to team leaders. Teams receive labour tools/materials provided by HEPA, and come to their allocated models, where they will stay and work during the internship</td>
<td>How do you understand about nurturing nature? Why does HEPA set out such a regulation on daily behaviours?</td>
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<td>2</td>
<td>PM</td>
<td>Teams get to know about their models including water source and its management and use, model’s components and banana circle available at each model.</td>
<td>Garden owners</td>
<td>Field trips to water sites to understand the water system; Discussion on why that system looks like?</td>
<td>Why are management and use of water source so vital?</td>
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<td>3</td>
<td>April 17 AM</td>
<td>- Overview of HEPA’s digital mapping, My map and its functional zoning - Work in team on the HEPA holistic map under the instruction of the model owner</td>
<td>Mr. Viet, Mr. Vin, garden owners</td>
<td>All students gather at Ba Vi conference hall to listen to introduction of the digital mapping and My map of HEPA’s models. Q&amp;A session between the individual team and its model owner whom they work with.</td>
<td>Why do models have different functions?</td>
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<td>4</td>
<td>April 17 PM</td>
<td>- A field trip to understand the current status and transect cutting of overall HEPA and its individual model with all students.</td>
<td>Mr. Vin, Mr. Chau</td>
<td>A field trip from Huyen Vi model to Giac Ngo model: quick discussion, overview of each model so that the students can basically understand each model and have a whole picture of all HEPA’s models.</td>
<td>What are student’s comments on model’s status after the field trip? What are their diaries?</td>
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<td>5</td>
<td>April 18 AM</td>
<td>Students gather at the conference hall to learn about 3 core values, 5 steps in landscape observation, 7 principles in landscape designing and 9 behavioural norms in landscape nurturing.</td>
<td>Mr. Vin, Mr. Giang, Mr. Chau</td>
<td>Eco-farming curriculum “Teaching by learning – Learning by doing” by Ms. Tran Thi Lanh (2007)</td>
<td>How is 5-7-9 rule demonstrated in the model where you are practicing for internship</td>
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<td>6</td>
<td>PM</td>
<td>Student gather at the conference hall to learn about HEPA’s three energy sources (Sun, Wind, Water) through HEPA’s master planning and each model’s planning presented by the garden owners.</td>
<td>Garden owners</td>
<td>Garden owners do presentations. Open discussions/Q&amp;A session between the students and the owners.</td>
<td>Why do three energy sources play a vital role in eco-garden designing and planning?</td>
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<td>7</td>
<td>April 19 AM</td>
<td>- Students gather at the conference hall to learn about HEPA’s biogeochemical cycles (cycle of nitrogen, phosphorus and carbon in nature, water cycle and the process of photosynthesis) - Field solutions of vegetative nitrogen fixation and quantitative nitrogen balancing</td>
<td>Garden owners, Ms. Lanh</td>
<td>Garden owners give on-site explanation at the model.</td>
<td>Draw diagrams reflecting the cycle of nitrogen, phosphorus, carbon and water, and the process of photosynthesis.</td>
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<td>8</td>
<td>April 19 PM</td>
<td>- Continued discussions on the three energies, the biogeochemical cycles and the nutrition tower in each model</td>
<td>Garden owners and students</td>
<td>Open discussion. Review of school biological knowledge.</td>
<td>Explain the relations between the three energies, biogeochemical cycles, nutrition tower and system planning in eco-farming?</td>
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<td>9</td>
<td>April 20 - 26</td>
<td>Practicing of eco-farming skills, application of 7 principles in landscape designing and 9 behavioural norms in nurturing nature in the models.</td>
<td>Model owners and teams</td>
<td>Caring for fruit trees –mulching - composting- collecting cow manure and other materials.</td>
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### Practice-based eco-farming training program for students of the Vietnam National University of Agriculture (16 April – 7 May 2017)

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<tr>
<th>Date</th>
<th>27-29 April</th>
<th>30 April</th>
<th>1 May</th>
<th>1-2 May</th>
<th>3-7 May</th>
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<td></td>
<td>All students practice in a native species nursery</td>
<td>Mr. Duoc, Mr. Giang</td>
<td>Collecting seeds – processing seeds and soil – skills on selecting soil, making soil container, sowing and caring</td>
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<td>Introduction of banana circle in governing water source in Rao An model.</td>
<td>Mr. Tran Chi Kien Mr. Vin, Mr. Giang</td>
<td>Field transect cutting of water system in Khe May</td>
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<td>12 May</td>
<td>Briefing of history of world’s agricultures after the World War II, from the Green Revolution to eco-farming</td>
<td>Dr. Keith, Mrs. Lanh</td>
<td>Overview</td>
<td>Discussion and selection</td>
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<td>13 May</td>
<td>Discussion – Presentation – Evaluation – Review</td>
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<td>Students and garden owners submit their reports on model-based practice results</td>
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<td>14 May</td>
<td>Cultural exchange, swimming, yoga and meditation – Farewell</td>
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<td>HEPA’s evaluation and sending of evaluation to the Vietnam National University of Agriculture</td>
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Please describe the process of raising Lim Xanh (Erythropleum)?

Students and garden owners submit their reports on model-based practice results.