# COURSE SYLABUS
# ORGANIC CHEMISTRY
## Credits: 02 (Lectures 1.5 – Practices 0.5 – Self-study 06)
## Code: MT 01002

## EXPECTED LEARNING OUTCOMES

| Indicator | Upon the completion of the course, student able to | Expected learning outcomes of program |
|---|---|---|
| **Knowledge** | | |
| CELO1 | **Analyze** the relationship of the structure and the property of organic compounds. | ELO1: Apply the knowledge of natural science, politics, social science and humanities, law, economics, and awareness of contemporary issues in the field of environmental sciences. |
| CELO2 | **Work** the experimental exercises describing the physical and chemical properties of organic compounds. | ELO2: Analyze environmental quality including designing and conducting experiments, collecting data, and interpreting results. |
| CELO3 | **Describe** the natural state, the role of organic compounds and their influence to the environment. | ELO3: Evaluate the impact of natural resource exploitation and emissions on environmental quality. |
| **Skills** | | |
| CELO4 | **Work** in group in the experimental lessons. | ELO7: Work in groups and lead multi-functional teams effectively. |
| **Ethics and Attitudes** | | |
| CELO5 | Determine a sense of lifelong learning. | ELO11: Define a clear career orientation; possess a passion for one's career and a sense of lifelong learning. |
| CELO6 | **Respect** in writting report, **work** on the rules in the laboratory. | ELO12Demonstrate ethical standards of the profession, carrying out the responsibility of environmental protection and serving the sustainable development of Vietnam and the world. |

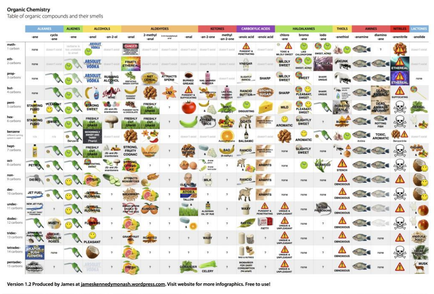
## Brief descriptions

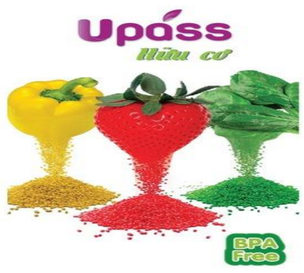
Chapter 1. General of Organic Chemistry

Chapter 2. Hydrocarbons

Chapter 3. Derivatives of hydrocarbons

Chapter 4. Natural organic compounds



## Learning methods

- Self-study: Students read the textbooks, lectures, documents and do their homework before coming class.
- Listening: students participate in lessons and do exercises at the request of lecturers.
- Experimental method: do independent experiments under the guidance of teachers, discuss the results in groups.
- E-learning: find and search documents, exchange learning materials and discussion questions in class groups.

## Assessment methods

- Grading scale: 10
- Evaluation:

| | | | |
|---|---|---|---|
| Attend class (10%) | Experiment (điều kiện) | Mid-term examination (30%) | Final examination (60%) |

## Student tasks

- Attend class: Students must attend at least 75% of lessons in class/on the MS team and satisfactory all 3 experimental exercises - 15 lessons (to achieve attendance and be allowed to take the final exam) .
- Read the lesson, the experimental requirement and the text book before coming class and lab.
- Do exercises: students must complete all exercises in the text-book.
- Mid-term exam: Students must take a mid-term exam.
- Final exam: Students must take a final exam.

## Key academic staffs

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