

Example form for Module Handbook (Đề cương tổng quát môn học)

A **Module Handbook** or collection of module descriptions that is also available for **students to consult** should contain the following information about the individual modules:

Module designation (Tên môn học)	<i>Air Pollution Control</i>
Semester(s) in which the module is taught (Học kỳ giảng dạy)	6
Person responsible for the module	<i>A/Prof. Nguyen Nhat Huy Dr. Ngo Thi Ngoc Lan Thao</i>
Language (ngôn ngữ)	<i>Vietnamese English</i>
Relation to curriculum (Các môn học liên quan)	<i>Specialisation</i>
Teaching methods (Phương pháp giảng dạy)	<i>Lecture, lesson, lab works, project</i>
Workload (incl. contact hours, self-study hours) (Thời lượng làm việc)	<i>(Estimated) Total workload: Contact hours (lecture, exercise, laboratory session, etc.): 60 Private study including examination preparation, specified in hours¹: 150</i>
Credit points (số tín chỉ)	
Required and recommended prerequisites for joining the module (những yêu cầu kiến thức trước khi học)	<i>Chemistry for Environmental Engineering and Science 2</i>
Module objectives/intended learning outcomes (Mục tiêu môn học, yêu cầu CĐR)	<i>Upon completion of this course, students should</i> <ul style="list-style-type: none"> - <i>Understand and differentiate air pollution control methods</i> - <i>Understand and apply dust collection methods</i> - <i>Understand and apply gaseous pollutant control methods</i> - <i>Understand and apply the basic of noise and noise pollution control methods</i> - <i>Understand and apply air monitoring and emission estimates</i> - <i>Understand and calculate air pollutant dispersion models</i> - <i>Practice in air pollution control</i>
Content (Nội dung)	<i>Introduction to air pollution control Particulate control Gaseous pollutants control Noise pollution control Measurements, emission estimates Air pollutant concentration model Experiment on pilot-scale air pollution control devices: absorber, adsorber, cyclone, baghouse, biofilter</i>
Exams and assessment formats (Hình thức kiểm tra và thi)	<i>Homework: group of 2 – 4 students, at home Quiz: individual, closed book, in class Mid-term exam: closed book, 45 min Final exam: open book, 60 min Experiment: report and test</i>

¹ When calculating contact time, each contact hour is counted as a full hour because the organisation of the schedule, moving from room to room, and individual questions to lecturers after the class, all mean that about 60 minutes should be counted.

<p>Study and examination requirements (Tỷ lệ đánh giá học tập)</p>	<p><i>Requirements for successfully passing the module:</i> <i>The final score will be from group homework (10%), in-class quiz (10%), mid-term exam (20%), final exam (30%), experiment (30%)</i> <i>To pass the courses, the final score need to be ≥ 5.0 and no part of the score < 3.0.</i></p>
<p>Reading list (Tài liệu)</p>	<p><i>[1]. Noel de Neufers, Air pollution control engineering, 3rd edition, MacGraw-Hill, 2017.</i> <i>[2]. Daniel Vallero, Fundamentals of Air Pollution, 5th Edition, Amsterdam : Academic Press, 2014.</i> <i>[3]. K.B. Schnelle, R.F. Dunn, and M.E. Ternes, Air Pollution Control Technology Handbook, Second Edition, CRC Press, 2015.</i></p>