

COURSE REPORT

Course code: INTH334A	Semester:	Department:
Course title: Noise and Vibrations	V14	Department for Global Public Health and Primary Care
Course coordinator: Magne Bråtveit	Approved in:	
Date:		

INTRODUCTION

- Follow-up from previous evaluations:

In the present form this course was provided for the second time this year, but comprises the content of an earlier course that have been given five times since 2000. The new course has the same basic structure as the previous courses. Previous evaluations have been positive.

- Course description

Learning outcomes:

Knowledge

At the end of the course, the students shall be able to:

describe the physical characteristics of noise and vibrations in the working environment

describe the consequences to health and well-being of excessive exposure to noise

describe the characteristics of whole-body and hand-arm vibrations and its health effects

outline the range of approaches to risk reduction embodied in the hierarchy of control of noise and vibrations

Skills

At the end of the course, the students shall be able to:

conduct field measurements in the industry to investigate and assess risks from noise and vibrations

analyse field measurements (including dosimetry) of noise and vibrations in relation to risk of health effects and to current standards

write a feedback report on noise and vibration measurements to the industry

apply appropriate strategies for implementation advise on the need and means of control measures regarding exposure to noise and vibration by control at the source, at transmission and at the receiver

General competence

integrate knowledge from different disciplines

promote positive interaction and collaborative relationships between the different actors within occupational health

a scientific way of thinking and a critical approach to research results
written and oral communication and dissemination

STATISTICS:

Number of students:7		Number of students completing the course:7				
Grade distribution ->:	A:1	B:3	C:1	D:1	E:1	F:
Or ->:	Pass:			Fail:		

SUMMARY OF THE STUDENT EVALUATION (*main points*):

The flow of information through the course was appreciated by starting with theory, followed by practical training, field work with noise measurements, report writing from the field work, presentation and discussion of the results. The practical approach of the training facilitated learning. Also the reading and discussion of recent publications from this topic was very positive.

COURSE COORDINATORS EVALUATION:

Different teaching methods comprising traditional teaching, practical training, group work and presentations seems very positive. More time could be spent on the theoretical part by including more problem-based learning and group work. The reading list might be too extensive, and not optimally balanced by the teaching/training lessons. The field exercise was very useful for the students. They were well prepared and made use of the information they had got during the course.

GOALS AND OBJECTIVES FOR NEXT EVALUATION PERIOD – IMPROVEMENTS TO BE MADE:

More problem-based learning and group work should be considered.