

**MSC IN MIGRANT HEALTH: ADDRESSING  
NEW CHALLENGES IN EUROPE – CHANCE  
AN ERASMUS LIFELONG LEARNING  
PROGRAM**

**Modul No. 2. Environmental medicine  
and occupational health**

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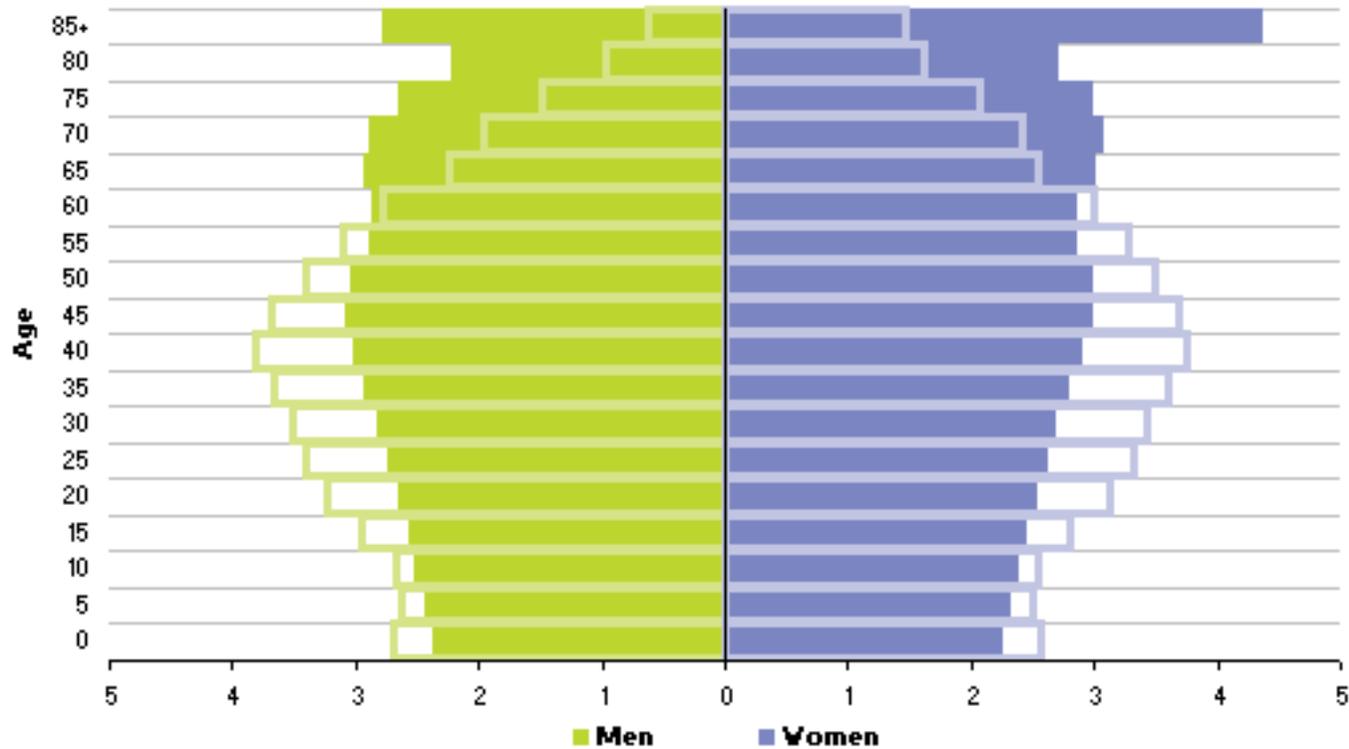
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# FORECASTED CHANGE OF AGE STRUCTURE COMPOSITION OF EU 27 BETWEEN 2010 – 2060



Solid colour: 2060  
Bordered: 2010

(1) 2060 data are projections (EUROPOP2010 convergence scenario).



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**EC GREEN PAPER  
(COM2004 811 FINAL)**

**In fact, even if the Lisbon employment targets are met by 2010, overall employment levels will fall due to demographic change.**

**Between 2010 and 2030, at current immigration flows, the decline in the EU-25's working age population will entail **a fall in the number of employed people of some 20 million.****

**Such developments will have a huge impact on overall economic growth, the functioning of the internal market and the competitiveness of EU enterprises.**



- ‘Having said that, migrant workers are often over-represented in the so-called “3D jobs” - dirty, dangerous and demanding - and in high-risk sectors such as agriculture, construction, healthcare and transport. Their work is often characterised by uncertainty, poor working conditions and low wages. This is a major problem all over Europe.’

Jukka Takala, EU- OSHA



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**and now it's time for something  
completely different**



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## Modul 2- synopsis

- University of Pécs is a main developer and coordinator of Modul 2: Environmental Medicine and Occupational Health
- The absolution of the modul will assign 15 credits
- Teaching methods of the modul:

### Contact lessons

- Formal lectures
- Seminars)
- Tutorial period (problem based learning, attendance of groups of 4-5 persons)



<b>Enviromental medicine and occupational health</b>							
<b>Lecture week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Period</b>	<b>Occupational health</b>					<b>Mass migration</b>	
<b>Course name</b>	<b>1. Migrational aspects of occupational health (introduction)</b>	<b>2. Workplace related aspects of occupational health</b>	<b>3. Workforce related aspects of occupational health</b>	<b>4. Health-care issues concerning mass migration based on specific disaster experiences</b>			
<b>ECTS</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>5</b>			
<b>Contact hours</b>	<b>20</b>	<b>40</b>	<b>40</b>	<b>60</b>			
<b>Student's total Workload (including ConHrs)</b>	<b>60</b>	<b>120</b>	<b>120</b>	<b>150</b>			
<b>Teaching methods</b>	<b>lecture/seminar</b>	<b>lecture/seminar</b>	<b>lecture/seminar</b>	<b>lecture/seminar/practice</b>			
<b>Assessment</b>	<b>Part 1: written text (at the end of 5th week)</b>					<b>Part 2: oral presentation (teamwork)</b>	



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## Syllabus Structure

## 1. period: Occupational health

- Migrational aspects of occupational health (20 ConHrs)
- Workplace related aspects of occupational health 40 ConHrs
- Workforce related aspects of occupational health (40 ConHrs)

## 2. period: Mass migration

- Health-care issues concerning mass migration (60 ConHrs)



# MIGRATIONAL ASPECTS OF OCCUPATIONAL HEALTH

## COURSE OBJECTIVES :

- The course is intended to provide students with a basic working knowledge of how law and ethics can be applied to real-world occupational health issues.

## EXPECTED COMPETENCES TO BE ACQUIRED:

- To apply clear knowledge base of the history, and development of occupational health and safety, appropriate legislation to occupational health practice



Describe global and regional demographics of migration in terms of size and components of regional and international population movements with a special attention on workforce mobility



# MIGRATIONAL ASPECTS OF OCCUPATIONAL HEALTH (LECTURES)

- The brief history of occupational medicine.
- The roles of the occupational health practice in the EU.
- Organisation of occupational health services in the EU.  
The role of WHO, ILO, OSHA and other similar organizations.
- Legislation and practice in the EU are influenced by global developments.
- The implications for health of global travel.



## MIGRATIONAL ASPECTS OF OCCUPATIONAL HEALTH II.

- Migration and its effects on the economy of the receiving country.
- The legislative background of migrant occupational health on national and EU level.
- Special health and safety considerations for migrant workforce.
- Relevant organizations involved in migrant occupational health.



# WORKPLACE RELATED ASPECTS OF OCCUPATIONAL HEALTH

## COURSE OBJECTIVES (GENERAL AND SPECIFIC):

This course reviews theories of accident causation, systems safety approaches for hazard assessment, prevention of common safety hazards, warnings, and training. The course is taught using a variety of case studies about accidents, product failures, and employer behaviour.



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# WORKPLACE RELATED ASPECTS OF OCCUPATIONAL HEALTH

- EXPECTED COMPETENCES TO BE ACQUIRED:
- Understand causes of workplace accidents and principals of accident investigation
- Be able to plan, design and implement (migrant) community based workplace level health promotion and disease prevention actions/programs
- Recognize, understand and assess internal and external risk factors which may endanger migrants employees' health, working ability, mental health and understand that primary prevention of occupational health hazards should be given priority ("risk assessment").



# WORKPLACE RELATED ASPECTS OF OCCUPATIONAL HEALTH

- Workplace contaminants and stressors and their evaluation: gases and vapours, dusts, heat and noise.
- Chemical hazards and their associated risks
- The ergonomic risk factors, and recommended corrective actions.
- Safe work practices, the collective and personal protective equipment
- Hazard identification, exposure assessment and risk characterisation.



## WORKPLACE RELATED ASPECTS OF OCCUPATIONAL HEALTH II.

- Risk assessment and evaluation of hazards.
- Hazard analysis and risk criteria
- Risk management, risk evaluation
- Factors affecting perceptions and acceptance of risk.
- Prevention, control measures and public safety.
- Principles of public participation and risk communication
- Instrumentation and techniques.
- Control strategies.



# WORKFORCE RELATED ASPECTS OF OCCUPATIONAL HEALTH

## COURSE OBJECTIVES (GENERAL AND SPECIFIC):

- This course introduces the new development of applying psychology to occupational safety and health issues in the society, and in the worksites. This course highlights a human factor approach to safety management such as enhancing management style/leadership, safety climate and motivation factors; and at the same time alleviating violence and stress in the workplace.



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## EXPECTED COMPETENCES TO BE ACQUIRED:

- Recognize of the complex relationships between migrant employees' jobs, professional competences and occupational risk factors
- Explain the socio-cultural and health sector responses to health conditions in society
- Provide ethnic-specific health care (therapy) for migrant workers with chronic, non-infectious diseases
- Manage the immunization status of migrants.
- Take personal responsibility for, and guidance in case management of most vulnerable groups of migrants, including unaccompanied minors, young workers,

women, elderly persons



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# WORKFORCE RELATED ASPECTS OF OCCUPATIONAL HEALTH

- Stress meaning, theoretical models, mediating factors
- Job related stress factors, interpersonal relationships
- Individual-focused interventions, stress prevention
- Occupational stress indicators
- Job and organizational stressors: job demands, job control, job content, organizational stressors, shiftwork, measurement
- Methods for occupational stress management, reduction and prevention: individual interventions, job and organizational redesign, healthy organizations, management of change, case studies



- Individual differences
- Violence in the workplace
- Differences in working culture and habits
- Effects of the differential religions, ethnics and the human connects in the workplace
- Work-family balance and family-friendly employment policies and practices
- Cultural differences and their influence. Relationship between psychosocial stress and health outcomes in the workplace
- The role of ethnic-specific therapy in the field of occupational health (by entry-on job)



# HEALTH-CARE ISSUES CONCERNING MASS MIGRATION

## COURSE OBJECTIVES (GENERAL AND SPECIFIC):

- Problem based evaluation of specific mass migration scenarios by groups of students, using the basic information attained during the lectures together with discussion and research guided and supervised by a lecturer. The results have to be presented to other groups and lecturers, which presentation will give the practical part of their exam.



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# HEALTH-CARE ISSUES CONCERNING MASS MIGRATION - LECTURES

- Historical overview of mass migratory events
- Recent mass migratory events – push and pull factors
- Migration and environmental hazards in the past and nowadays
- Environmental aspects of refugee camps establishment
- Applied public health for establishment of refugee camps (sanitation, water supply, catering etc.)



# HEALTH-CARE ISSUES CONCERNING MASS MIGRATION

## - SEMINARS

- Health care delivery in refugee camps (crisis management, need assessment, structure, staffing, health care facilities, special training need, drug and vaccination supply)
- International standards in the establishment of refugee camps
- Priority medical evacuation
- In camp health education/ promotion/ disease prevention
- Health care in multicultural environment. Interview techniques (Roll play)



THANK YOU FOR YOUR KIND ATTENTION!

