

Code:	The course's instructor in charge:	Title of the course:	Credit:	The host department of the course:
DIP4GYZ1	<b>Dr. Zoltán GYÖNGYI</b>	<b>Genetically Modified Organisms</b>	<i>1 credit = 14 hours</i>	University of Pécs, Medical School, Department of Public Health Medicine
Course description:	<p>The application of genetically modified organisms (GMOs) gains more and more ground in food industry. Over the direct health effect, they have an impact on human economy and health modifying natural environment. The topic provokes social debate, in which, in lack of information, delusions also appear.</p> <p>The goal of the education is that students receive impartial knowledge of the role of GMOs in our life and their beneficial or possible harmful impact on our health.</p> <p>During the education students receive a knowledge of molecular background of production of GMOs, their role in agriculture, the appeared cases and possible health risks, their occurrence in foodstuffs, medical applications, tests, regulations, authorization, economic and social impacts.</p>			

**Declaration of the course:**

**Semester:** autumn      spring      both

**Application deadline:** 7th September 2015

**Application: name:** Dr. Zoltán GYÖNGYI  
**telephone:** +36-72-501500\* 31093  
**email:** zoltan.gyongyi@aok.pte.hu

**Minimum number of attending students: 10**

**Maximum number of attending students: 20**

**Criteria of acceptance in case of overbooking:** order of application declaration of acceptance from the leader of the course

**Time frame of education**      total hours of the course: 14  
(7 hours daily, in 2 consecutive days)

**Type of examination:**                      oral                      written

**Type of remedial exam:**                      oral                      written

**Criteria of accepting the course** (exams, maximum number of absence, etc.): Successful exam, attendance on lectures. Maximum number of absence: 4 hours.

**Opportunities for making up for non-attendance: -**

**List of resources (book, note, other) required for learning the curriculum:**

Lecture slides on Coospace

**Topics and instructors of the activities (all lectures, practices, seminars separately):**

The appearance of genetically modified organisms (GMOs)	Gyöngyi Zoltán Dr.
Role of GMOs in agriculture	Gyöngyi Zoltán Dr.
Basics of genetically modification I	Gyöngyi Zoltán Dr.
Basics of genetically modification II	Gyöngyi Zoltán Dr.
Possible harmful effect of GMOs to health	Gyöngyi Zoltán Dr.
Background of deaths caused by GM food	Gyöngyi Zoltán Dr.
Prevention of GMO induced health hazard	Gyöngyi Zoltán Dr.
Genetically modification in medicine	Gyöngyi Zoltán Dr.
GMOs in food I.	Gyöngyi Zoltán Dr.
GMOs in food II.	Gyöngyi Zoltán Dr.
Authorization of GMOs	Gyöngyi Zoltán Dr.
Regulation of application	Gyöngyi Zoltán Dr.
Impact of GMOs on nature environment and eco farms	Gyöngyi Zoltán Dr.
Effect of GM business on economy, social debates and the flow of information	Gyöngyi Zoltán Dr.