

**International Program – Global Health Leadership (2-10-15)**

**Course Name: Vaccines**

**Course Number: xxx.xx**

**Credit hours: 2 hours (26-28 hours of frontal lectures in one semester)**

**Lecturer's name:** Manfred Green

**Contact details:** manfred.s.green@gmail.com

**Course description:**

This course will provide students with an overview of vaccines for viral and bacterial diseases. An introduction to vaccine development will be given including the history of vaccines. The course will include discussions of the vaccine-preventable diseases (such as measles, mumps, rubella, polio, diphtheria, tetanus, pertussis, HPV and hepatitis A and B). The approach to the role of vaccines in the eradication of diseases such as smallpox, polio, and measles will be discussed. Controversies on the safety and vaccines will be discussed including the area of risk communication.

**Course objectives (for students):**

- To understand the process of the function and development of vaccines
- To gain a knowledge of the safety and efficacy of selected vaccines
- To know the approach to the use of vaccines for the eradication of diseases
- To be able to assess the controversies on vaccines include anti-vaccine groups
- To be exposed to several approach to risk communication surrounding vaccines

**Dates: Second semester**

**Times:**

**Prerequisites:** None

**Course requirements:**

1. **Attendance at lectures and seminars**
2. **Assignments and exercises**
3. **Final exam**

**Calculation of final grade:**

- 1. Assignments and exercises: 50%**
- 2. Final exam: 50%**

**Research Methods**  
**First Semester 2015**

<b>No.</b>	<b>Day</b>	<b>Date</b>	<b>Time</b>	<b>Subject</b>	<b>Lecturer</b>
1	Tues	Mar 7, 2017	10.15-11.45	Course description – history of vaccines	Prof. Green
2	Tues	Mar 14, 2017	10.15-11.45	Measles vaccines	Prof. Green
3	Tues	Mar 21, 2017	10.15-11.45	Polio vaccines	Prof. Green
4	Tues	Mar 28, 2017	10.15-11.45	Hepatitis A vaccines	Prof. Green
5	Tues	April 4, 2017	10.15-11.45	Hepatitis B vaccines	Prof. Green
6	Tues	April 11, 2017	10.15-11.45	HPV vaccines	Prof. Green
7	Tues	April 18, 2017	10.15-11.45	Vaccines and eradication of diseases	Prof. Green
8	Tues	April 25, 2017	10.15-11.45	DTP vaccines	Prof. Green
9	Tues	May 2, 2017	10.15-11.45	Controversies on vaccines	Prof. Green
10	Tues	May 9, 2017	10.15-11.45	Use of adjuvants in vaccines	Prof. Green
11	Tues	May 16, 2017	10.15-11.45	Student presentations	Prof. Green
12	Tues	May 23, 2017	10.15-11.45	Student presentations	Prof. Green
13	Tues	May 30, 2017	10.15-11.45	Student presentations	Prof. Green
14	Tues	June 6, 2017	10.15-11.45	Student presentations	Prof. Green