

## Course topics

### Health management (prof. Rosa Cristina Coppola)

- Need of health and public resources
- Need, demand and production of health services
- Definition and function of health management

### Organizzazione sanitaria (prof. Rosa Cristina Coppola)

- Levels of health organization
- The health national system
- Patterns of health system worldwide
- Health services:
  - Health local office
  - The district
  - The hospital
  - The prevention department and health community promotion

### Health promotion (prof. Paolo Contu)

- Health and health promotion
- Principles and methods of health promotion
- Risk perception
- Means of health communication
- Community action

### Health planning (prof. Rosa Cristina Coppola)

- Economic evaluation
  - Cost-effective analysis
  - Cost-utility analysis
  - Economic evaluation of results
  - Company planning and operative control:
    - The clinical governance
    - Evidence Based Medicine
    - Health Tecnology Assessment

### General epidemiology of infectious diseases (prof. Rosa Cristina Coppola)

#### The prevention

- Primary prevention
  - Vaccine composition
  - Mandatory and recommended vaccination
  - Vaccines schedules
- Secondary prevention: the screening
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#### Epidemiology and prevention of:

- Difteria, tetanus and pertussis
- A,B and C hepatitis
- Human Papilloma Virus

## **Epidemiology and prevention of most important chronic diseases**

- Cancer
- cardio-vascular diseases

## Objectives of the **Environmental Hygiene** (Prof. Antonio Contu)

- Environmental Problems and Human Health
- Transport and alteration of Chemicals and in the Environment
- Infection diseases and Environment

### ***Air Quality and Human Health***

- Air Pollution Problems
- Modes of Surveillance and Evaluation
- Air Pollution Controls

### ***Water***

- Tecnological, Scientific and General Information.
- Resources and Water Supply Problems
- Standards, Practices and Procedures
- Modes of Surveillance and Evaluation
- Drinking Water and Disease Controls
- Private and Public Sewage Disposal Problems
- Standards, Practices and Procedures
- Controls

### ***Solid Hazardous Waste***

- Magnitude and Composition of Solid Waste Materials
- Land, Air and Water Pollution
- Solid Waste and Disease
- Modes of Surveillance and Evaluation

### ***The Indoor Environment***

- Housing Problems
- Accidents and Injuries
- Modes of Surveillance and Evaluation
- Indoor Air Pollution Controls
- Environmental Health and Hospital