



università di ferrara  
DA SEICENTO ANNI GUARDIAMO AVANTI.

## **Ferrara And Maastricht Exchange (F.A.M.E.) COURSE**

### ***Title of the programme***

*" BASIC AND CLINICS OF MEDICAL AND SURGICAL INTENSIVE CARE"*

### ***Discipline***

*Intensive Care, Surgery, Emergency Medicine and Surgery, Pulmonology, Cardiology, Infectious disease*

### ***Period***

*June 08 – July 3, 2015*

### ***Teaching language***

*English*

### ***Maximum number of students***

*10 + 10*

### ***Programme co-ordinators***

*Overall teaching planning and Istitutional tasks  
Carlo Alberto Volta (Intensive Care), Carlo Feo (Surgery)*

*Practical teaching  
Gaetano Caramori (Pulmunology),  
Claudio Ceconi (Cardiology)  
Rosario Cultrera (Infectious Disease)  
Simona Ascanelli, Savino Occhionorelli (Emergency Surgery)  
Roberto Melandri, Maurizio Giacometti (Emergency Medicine)*

Ferrara University, ITALY

### ***Contactperson***

*Prof Reinhold Stockbrugger (rstockbrugger635@gmail.com)*

### ***Participating departments/institutes***

*Anaesthesia and Intensive Care, Surgery, Emergency Medicine and Surgery, Pulmunology, Cardiology, Infectious Disease.*

## **Background information: Main Topics**

### **Learning goals**

To recognize how ill is my patient

Approach to the patient

- visiting a patient in Intensive Care Unit
- communication skills
- principles of modern medical treatment
- principles of surgical treatment

### **Outline of the programme**

*Two case/problem-based tutorials per week*

*Three lectures by basic and clinical specialists per week*

*Practicals in the field*

- *Acute respiratory failure: how to recognize and treat*
- *Blood gas analysis*
- *Hypoperfusion: volume and electrolyte balance*
- *Emergency surgery*
- *Surgical patient on the ward*
- *High fidelity simulation*

### **International health themes (ITM major / minor)**

English is the language!

### **Required knowledge**

*Basic knowledge of anatomy, physiology and pathophysiology.*

*Motivation to meet patients and understand their needs.*

### **Feedback**

The Ferrara Dept.s involved have a long tradition in PBL and PB Teaching

### **Way of assessment and Final assessment**

Activity in the practical training; final multiple choice test

<b>BASIC AND CLINICS OF MEDICAL AND SURGICAL INTENSIVE CARE</b>		
<i>All teaching activities will be hold at the University Hospital of Ferrara in Cona</i>		
<b>Week 1</b> (08-12 June)	<b>Subject</b>	<b>Teacher(s)</b>
<p><b>Mon 08</b></p> <p>09.00 – 11.00</p> <p>15.00 – 16.00 Aula Chirurgia Toracica Studi Dipartimentali 1C2 Open Space 3.34.18</p> <p>16.00 – 17.00 Aula Chirurgia Toracica Studi Dipartimentali 1C2 Open Space 3.34.18</p>	<p><b>Registration of the external students at: University, Office International Affairs Dott. C. Santoro; Ferrara, Via Savonarola 9</b></p> <p>Introduction to the course</p> <p>Lecture 1: <i>Help me if you can! In-hospital emergency</i></p>	<p>R. Stockbrugher, C.A. Volta/C. Feo</p> <p>C.A. Volta</p>
<p><b>Tue 09</b></p> <p>09.00 – 10.30 Aula 8 T35.17 Cona</p> <p>14.00 – 15.00 Aula 8 T35.17 Cona</p> <p>15.30 – 16.30 Aula 8 T35.17 Cona</p>	<p>Discussion Case 1</p> <p>Lecture 2: <i>Help me if you can! A tremendous car accident</i></p> <p>Lecture 3: <i>How can I respect the physiology of my patient? The acid – base balance and the interpretation of blood gas analysis</i></p>	<p>Tutors: G. Zani, A. Gioia, L. Castelli, L. Morganti, D. Andreotti</p> <p>C. Feo</p> <p>C.A. Volta</p>
<p><b>Wdn 10</b></p> <p>09.00 – 10.00 Aula 8 T35.17 Cona</p> <p>10.30 – 12.00</p>	<p>Lecture 4: <i>Acute cardiac failure: time is muscle!</i></p> <p>Practical: <i>High Fidelity Simulation</i></p>	<p>C. Ceconi</p> <p>R. Ragazzi, L. Astolfi, C.A. Volta, C. Feo</p>
<p><b>Thu 11</b></p> <p>11.00 – 13.00</p> <p>14.30 – 16.00 Aula 8 T35.17 Cona</p>	<p>Practical: <i>Hypoperfusion: volume and electrolyte balance</i></p> <p>Reporting Case 1 Discussion Case 2</p>	<p>?</p> <p>?</p>
<b>Fri 12</b>	Holiday	

<b>Week 2</b> (15-19 June)	<b>Subject</b>	<b>Teacher(s)</b>
<b>Mon 15</b>	Holiday	
<b>Tue 16</b>		
09.00 – 10.00 Aula 8 T35.17 Cona	Lecture 5: <i>Near fatal asthma!</i>	G. Caramori
10.30 – 12.00	<b>Practical:</b> <i>Blood gas analysis</i>	C.A. Volta
13.30 – 14.30 Aula 8 T35.17 Cona	Lecture 6: <i>Acute respiratory failure: a matter of life and death</i>	C.A. Volta
15.00 – 16.30 Aula 8 T35.17 Cona	<b>Reporting Case 2</b> <b>Discussion Case 3</b>	Tutors: G. Zani, A. Gioia, L. Castelli, L. Morganti, D. Andreotti
<b>Wdn 17</b>		
09.00 – 10.00 Aula 8 T35.17 Cona	Lecture 7: <i>Acute abdomen</i>	C. Feo
10.30 – 12.00	<b>Practical:</b> <i>Acute Respiratory Failure</i>	S. Spadaro
<b>Thu 18</b>		
11.00 – 12.30	<b>Practical:</b> <i>Cardiac failure</i>	C. Ceconi
13.00 – 14.00 Aula 8 T35.17 Cona	Lecture 8: <i>Antibiotics therapy in critical ill patients</i>	R. Cultrera
14.30 – 16.00 Aula 8 T35.17 Cona	<b>Reporting Case 2</b> <b>Discussion Case 3</b>	Tutors: G. Zani, A. Gioia, L. Castelli, L. Morganti, D. Andreotti
<b>Fri 19</b>	Holiday	

<b>Week 3</b> (22-26 June)	<b>Subject</b>	<b>Teacher(s)</b>
<b>Mon 22</b>	Holiday	
<b>Tue 23</b>  11.00 – 12.00 Aula 8 T35.17 Cona  12.30 – 13.30 Aula 8 T35.17 Cona  14.30 – 16.00 Aula 8 T35.17 Cona	Lecture 9: <i>How to do the right things at the right time? Shock and tissue hypoperfusion</i>  Lecture 10: <i>Peritonities</i>  Reporting Case 3 Discussion Case 4	C.A. Volta  C. Feo  Tutors: G. Zani, A. Gioia, L. Castelli
<b>Wdn 24</b>  09.00 – 13.00 (to be defined)	Practical: <i>Surgical patients on the ward</i>	S. Ascanelli
<b>Thu 25</b>  11.00 – 12.00 Aula 8 T35.17 Cona  12.30 – 14.30 Aula 8 T35.17 Cona  15.00 – 16.30 Aula 8 T35.17 Cona	Lecture 11: <i>Volume replacement therapy</i>  Lecture 12/training: <i>Communication skills</i>  Reporting Case 4 Discussion Case 5	C.A. Volta  R. Stockbrugger  Tutors: G. Zani, A. Gioia, L. Castelli
<b>Fri 26</b>	Holiday	

<b>Week 4</b> (29 June - 3 July)	<b>Subject</b>	<b>Teacher(s)</b>
<b>Mon 29</b>  09.00 – 13.00	<i>Practical: Visiting patients in Emergency Department (Surgical ward)</i>	S. Occhionorelli
<b>Tue 30</b>  09.00 – 13.00  14.00 – 15.30 Aula 8 T35.17 Cona	<i>Practical: Visiting patients in Emergency Department (Medical ward)</i>  Reporting Case 5	R. Melandri, M. Giacometti  Tutors: G. Zani, A. Gioia, L. Castelli, L. Morganti, D. Andreotti
<b>Wdn 1</b>  9.00 – 12.00	<i>Practical: Venous access (peripheral and central)</i>	Ferraresi A., Feo C.
<b>Thu 2</b>	Self study	
<b>Fri 3</b>  09.00 – 12.00 Aula 8 T35.17 Cona	<b>Exam (multiple choice) and course evaluation</b>	R. Stockbrugger