

**Summer School Emory @ Unisi**  
**Chemistry for Life & Environment**  
**11th Edition, 28 May - 03 July 2014**

**Time Table**

<b>28 May, Wednesday</b>	
5.00 pm	Arrival of Emory Group Check-in at Refugio residence
6.30	Introductory meeting at Refugio by summer program coordinator. Introduction to the program, teaching aids, internet connection, notes about Siena City, restaurants, pharmacies, supermarkets, laundries, etc...
7.00	Welcome Pizza in the Refugio's Garden
<b>29 May, Thursday</b>	
8.45 am	Emory Classes at Refugio
12.30	Lunch at Mensa Universitaria at Bandini, cards validation
2.00 pm	Free tour: Unisi scientific and didactics sites in town, libraries, selected monuments (Town Hall, Piazza del Campo, Duomo, Churches, post office, bus station, Contrade, police office, museums, sport facilities, theaters, Accademia Musicale Chigiana, Unisi Botanical Garden, Accademia dei Fisiocritici, etc...)
<b>30 May, Friday - OPENING OF THE SUMMER SCHOOL (San Miniato, Room #14)</b>	
10.00	Introduction and greetings Daniela Valensin - Unisi Coordinator of General Cooperation Agreement Emory/Unisi Francesco Frati - Prorector Unisi Maurizio Taddei - Director Department Biotechnology Chemistry & Pharmacy Stefano Mangani - Director of Doctorate School Michael McCormick- Emory Representative Simon Blakey - Emory Representative Gabriella Tamasi - Executive Coordinator of Summer School <i>Introduction of summer program and its educational purposes</i>
11.15	Coffee break & Poster session
11.30	Presentations by Unisi research groups Gianluca Giorgi - <i>Mass spectrometry in bioorganic chemistry</i> Fabrizia Fabrizi de Biani - <i>Modern applications of electron transfer processes</i> Daniele Spinelli - <i>Laccase immobilization onto nanofibers and mesoporous materials</i> Claudia Perini & Thomas Evans - <i>The mysterious fungi: the good, the bad and the ugly</i>
12.45	Buffet & Posters session
2.00 pm	Conclusions
<b>31 May, Saturday</b>	
	Free Morning in Siena
2.00pm	Guided visit to the "Museo Civico, Palazzo Comunale, Piazza del Campo"
<b>01 June, Sunday</b>	
	Free Day in Siena

<b>02 June, Monday - Italian Civic Holiday (Festa della Repubblica)</b>	
8.45 am	Emory Classes at Refugio
<b>03 June, Tuesday</b>	
08.45 am	Emory Classes at Refugio
2.30-5.30 pm	Parallel Unisi Laboratory Session at San Miniato Gianluca Giorgi – <i>Mass spectrometry in bioorganic chemistry: from structural to stereochemical and conformational characterization</i> Fabrizia Fabrizi de Biani – <i>Modern applications of electron transfer processes</i>
<b>04 June, Wednesday</b>	
8.45 am	Emory Classes at Refugio
<b>05 June, Thursday</b>	
8.45 am	Emory Classes at Refugio
11.30	First Evaluation about accommodation, facilities and first week activities at Siena, form filling for Emory Students
2.30 -5.30 pm	Unisi Laboratory Session at San Miniato Daniele Spinelli – <i>Laccase immobilization onto nanofibers and mesoporous materials</i>
<b>06 June, Friday</b>	
	Emory Students and Faculties visit Florence
<b>07 June, Saturday</b>	
	Free Day in Siena
<b>08 June, Sunday</b>	
	Free Day in Siena
<b>09 June, Monday</b>	
8.45 am	Emory Classes at Refugio
11.00	Lecture at Refugio Neri Niccolai - <i>The beauty of bioinformatics</i>
3.00 pm	Lecture by Emory Speaker at San Miniato Simon Blakey – <i>C-H Functionalization: An enabling technology for pharmaceutical and materials chemistry</i>
<b>10 June, Tuesday</b>	
8.45 am	Emory Classes at Refugio
2.30 5.00 pm	Parallel Unisi Laboratory Session at San Miniato Gabriella Tamasi - <i>Chemical analysis for food quality control: AAS &amp; HPLC</i> Agnese Magnani & Gemma Leone – <i>Rheological characterization of biomaterials and infrared characterization of biosensors</i>
<b>11 June, Wednesday</b>	
9.30 am	Half a day at Novartis Vaccines Italia, Siena
<b>12 June, Thursday - Two Days Cultural trip to Montalcino territory (D. Picciolo)</b>	
10.30	Departure to Montalcino (by line bus)
12.00	Arrival to Montalcino
12.15	Welcome & Lunch
1.30 pm	Check-in to the B&Bs and free time
4.00	Guided visit to the Montalcino's museum and Fortress
7.30	Typical Montalcino/Tuscany Dinner

<b>13 June, Friday - Two Days Cultural trip to Montalcino territory</b>	
7.30 am	Breakfast
8.00	Trekking from Montalcino Fortress to Abbazia di Sant'Antimo (ca 10 km)
11.30	Guided visit to Azienda Agraria "La Mágia". Class on Sangiovese Grosso variety and Brunello winemaking and aging processes
12.30	Lunch and wine tasting at Agriturismo
1.30 pm	Leaving from Agriturismo towards Abbazia di Sant'Antimo
2.45	Attendance to <i>Ora Nona</i> and Canto Gregoriano by Monaci Premonstratensi
3.00	Visit to Abbazia di Sant'Antimo, its history, architecture, ...
4.00	Return to Siena
<b>14 June, Saturday</b>	
	Free day in Siena
<b>15 June, Sunday</b>	
	Free day in Siena
<b>16 June, Monday</b>	
8.45 am	Emory Classes at Refugio
11.00	Lecture at Refugio Riccardo Basosi - <i>Energy from the principles of thermodynamics to the sustainable development</i>
2.30 pm	Emory students meet Unisi Students at Refugio Welcome and Introduction by Emory and Unisi Teachers Teachers excluded! Students present their own experiences at Universities
5.00 – 7.00pm	Sport activity at CUS, University of Siena Sport Center
<b>17 June, Tuesday</b>	
8.45 am	Emory Classes at Refugio
11.00	Lecture at Refugio Enrico Tavarnelli - <i>The depositional and tectonic history of ridges and basins of Southern Tuscany: geological controls on the quality of wines and food produced in Val d'Orcia and in the Chianti mts</i>
2.30-5.30 pm	Unisi Laboratory Session at San Miniato Maria Camilla Baratto - <i>EPR spectroscopy for the study of antioxidant activity</i>
<b>18 June, Wednesday</b>	
8.45 am	Emory Classes at Refugio
11.00	Lecture at Refugio Michele Gregorkiewitz - <i>Full structural characterization through global diffraction pattern fitting. A contribute to the International Year of Crystallography IYCr2014</i>
2.30-5.30 pm	Unisi Laboratory Session at Laterino Michele Gregorkiewitz, Enrico Mugnaioli, Sonia Mugnaini <i>Full structural characterization through global diffraction pattern fitting</i>
<b>19 June, Thursday</b>	
8.45 am	Emory Classes at Refugio
11.00	Lecture at Refugio Stefano Mangani - <i>100 years of Crystallography from quasicrystals to proteins</i>
3.00 pm	Lecture by Emory Speakers at San Miniato James Kindt - <i>Computer simulations of lipid bilayers</i>

<b>20 June, Friday</b> <b>FIELD-TRIP TO BARONE RICASOLI SPA AGRICOLA</b> <b>(BROLIO, GAIOLE IN CHIANTI, SIENA)</b>	
9.30	Departure from Porta Romana
10.00	Arrival at Brolio Guided visit and class in two vineyards by the Agronomist about Sangiovese and other vines growing, treatments, ...
11.00	Guided visit and class in the cellars by the Enologist about wine production and aging
12.00	Wine tasting
12.30	Lunch at Restaurant Cantine Barone Ricasoli, typical Chianti foods
2.00 pm	Guided visit to the Ricasoli Castle, old enological laboratory of Baron Bettino Ricasoli, History of Chianti and Italy
4.30	Return to Siena
<b>21 June, Saturday</b>	
	Free day in Siena
<b>22 June, Sunday</b>	
	Free day in Siena
<b>23 June, Monday</b>	
8.45 am	Emory Classes at Refugio
3.00 pm	Guided visit to a Contrada Museum, Church, ...
<b>24 June, Tuesday</b>	
8.45 am	Emory Classes at Refugio
2.30-5.30 pm	Unisi Laboratory Session at San Miniato Manuela Benvenuti - <i>Lysozyme crystallization</i>
<b>25 June, Wednesday</b> <b>FIELD-TRIP TO VILCA (COLLE DI VAL D'ELSA, SIENA)</b> <b>AND TO SAN GIMIGNANO</b>	
9.00 am	Departure from Porta Romana Introductory class on bus by Unisi teachers about the day activities
9.40	Arrival at ColleVilca
10.00	Guided visit and class about chemistry of glass and glass-blowing methods
11.30	Departure to San Gimignano
12.00	Arrival at Fattoria Sovestro in Poggio, and visit to the Vineyards and Cellars
13.00	Lunch at Fattoria Sovestro in Poggio
2.30 pm	Visit to San Gimignano, the town and main historical places
5.00 pm	Departure to Siena
<b>26 June, Thursday</b>	
8.45 am	Emory Classes at Refugio
2.30-5.30 pm	Unisi Laboratory Session at Toscana Life Science Foundation (TLS): Laura Salvini - <i>Confocal microscopy and mass spectrometry: two important methodologies in biotechnology</i>
<b>27 June, Friday</b>	
8.45 am	Emory Classes at Refugio
2.30-5.30 pm	Unisi Laboratory Session at Orto Botanico & Accademia dei Fisiocritici Claudia Perini & Thomas Evans - <i>The mysterious fungi: the good, the bad and the ugly</i>

<b>28 June, Saturday</b>	
	Free day
<b>29 June, Sunday</b>	
	Free day
<b>30 June, Monday</b>	
	Free day
4.00-6.00 pm	Sport activity at CUS, University of Siena Sport Center (optional activity)
<b>01 July, Tuesday</b>	
8.45	Emory Classes at Refugio
11.30	Second and final Evaluation, forms filling for Emory Students
12.00	Meeting of Evaluation Committee of Unisi and Emory Teachers Conclusions and remarks Planning for 12th Edition Emory@Unisi 2015 and 4th Edition Unisi@Emory 2015
7.00 pm	Horse trials in Piazza del Campo
8.30	Eve Dinner in a Contrada
<b>02 July, Wednesday - Palio Day</b>	
07.00 am	Blessing Mass celebrated by Archbishop in Piazza del Campo for Fantino, the Jockey
02.00 pm	Attending to the horse blessing in a Contrada
03.00	Attending to Contradas blessing from the Archbishop at Duomo
04.30	Piazza del Campo ...waiting for Palio race
07.00	Palio Race
<b>03 July, Thursday</b>	
10.00 am	Check-out