



Rothenburg

Discoveries in Chemistry and Textiles
A Study Abroad course in Germany and Paris
May 19-June 2, 2009

Germany is a land of Middle Age villages, modern cities, wonderful bakeries, scenic castles and hard working, friendly people. Paris is a city of spectacular sights, fine dining, high fashion and romance. Come explore these places with us as we combine history with science and textile discoveries for an experience that will enhance your education.

This course is a two week course that serves as 1) advanced hours, and 2) a 3 hour science .

This is also a Continuing Education course for people who want to learn about the effects of the early scientists on society from their times to the present age. This course will cover the following topics and will follow the schedule below.

May 19 Leave Houston and fly to Frankfurt, Germany
 May 20 Arrive in Frankfurt
 Tuesday Travel by train to Rothenburg. Rest from trip: Optional tour of Rothenburg
 Stay: **Rothenburg**

May 21 **Rothenburg** Morning Discussions: (I) The Influence of the 30 Year's War on European Scientism
 Wednesday (II) 19th Century Thought in Europe and its Turn to Science.
 Tour: **Kriminal Museum**
 Evening Discussion: The Break from Charlatanism to the Quest for Better Living through
 Chemistry
 Stay: **Rothenburg**

May 22 Leave for Würzburg
 Thursday Afternoon Discussion: Emil Fischer and Sugars:
 Triumph and Tragedy in a Brilliant Career (RC
 Stay: **Würzburg**

May 23 **Würzburg**
 Friday Morning Discussion: Wilhelm Roentgen: The
 Discovery of X-Rays: From Shoe Shopping to Medi-
 Breakthroughs
 Tour **Roentgen's Laboratory**
 Afternoon Discussion: Werner Heisenberg: When
 Exciting Science Crosses Ethical and Moral Lines
 Stay: **Würzburg**



Festung Marienberg, Würzburg

(White)
 cal

May 24 **Würzburg**
 Saturday Morning free to tour Würzburg
 Leave for **Köln**
 Afternoon Discussion: The Discovery of Cologne:
 Mmm: You smell good! (JH White)
 Evening Discussion: Kurt Alder: A Simple Way to
 Make Difficult Molecules (Heiko Ihmels)
 Stay: **Köln**



Kölner Dom

May 25 **Köln**
 Sunday Morning free or tour **Kölner Dom**
 Leave for Heidelberg
 Stay: **Heidelberg**

May 26
Monday

Heidelberg
Morning Discussion: I) August Kekule:
How Dreams led to the Structure of Benzene
(II) Wilhelm Bunsen: A Burning Desire to Learn
Tour: Heidelberg's Castle on the Neckar River
Evening Discussion: Fritz Haber: From
Nitrogen to Nitrates: An Ugly Mixture of
Science, Religion, and War (RC White)
Stay: Heidelberg



Heidelberg Schloss

May 27
Tuesday

Heidelberg
Morning Discussion: Richard Kuhn: Vitamins B2 and B6:
Helping Hands for Maintenance of Good Health (RC White)
Travel to Freiburg
Stay: Freiburg

May 28
Wednesday

Freiburg
Evening Discussion: Hermann Staudinger:
Studies on Cellulose: Building Blocks of Polymers (RC White)
Stay: Freiburg

May 29
Thursday

Freiburg
Morning Discussion: Adolph Windaus:
Cholesterol and Histidine: Clogged Arteries and
Allergies (RC White)
Explore the Black Forest
Stay: Freiburg



Freiburg

May 30
Friday

Freiburg: Leave for Paris
Morning Discussion: Count Chardonnet: The Invention
of Artificial Silk (JH White)
Stay: Paris

May 31
Saturday

Paris
Morning Discussion: Louis Pasteur: Saving French Sericulture (JH White)
Optional Tours: The Cathedral Notre Dame, the Arc De Triumph, and
Rue de Fauberg-Ste Honoré (Fashion Avenue), The Louvre
Stay: Paris



Eiffel Tower

June 1
Sunday
Fly to Houston

Paris
Morning Discussion: The Curies: A Nobel Dynasty
Tour: Curie Museum

June 2
Fly to Houston

Auf Wiedersehen
Au Revoir



Cathedral Notre Dame

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