

The M&E Course will be at the Valley Forge Scanticon Hotel & Conference Center

(Located in the Philadelphia, PA Area)

December 8, 9, 10, 2008

8:00 a.m. to 5:00 p.m.

Course Objective

The objective of this intensive, three-day, lecture/problem-solving **Microbiology and Engineering of Sterilization Processes (M&E)** course is to help the student develop an understanding of the basic principles of both the microbiology and engineering aspects of sterilization processes.

The course is taught using a unique lecture-problem method; short lectures using the textbook as a reference are followed by problem solving sessions. There are illustrative short problems in each topic area of the M&E Course.

In addition to the approximately 20 short problems, there are two instructor-led, case-study type sterilization/qualification problems: (1) physical qualification of the process and (2) biological qualification of the process.

Students' response over the 30 years that the course has been taught indicate that working the problems in the classroom was a major contributor to their educational experience.

Who Should Attend

Degreed scientists and technical managers involved in microbial control, in the research, development and manufacture of food, medical devices and pharmaceutical products.

Facility Location:

Valley Forge Scanticon Hotel & Conference Center

1200 First Ave., King of Prussia, PA 19406

Phone: 610-265-1500, Fax: 610-768-0183

Accommodations: A block of rooms has been reserved at the Scanticon Valley Forge Hotel at the special rate of \$134.00 plus tax, single or double occupancy. You are able to access the meeting courtesy rate by calling the reservations department, **Phone: 610.337.2000**, and requesting the rate for "Pflug's Microbiology & Engineering Course". The cut-off date for the special rate is 07 November 2008.

Course Details

The course fee is \$1,990 (USD) per person, which includes three books and for all three days: continental breakfast, buffet lunch, mid-morning and afternoon refreshments.

The course registration is limited to 35 students. This is a hands-on lecture-problem solving course, therefore the size of the class is limited.

To Register

To register for the course: **1)** Download the registration form and complete the information, fax or email (pdf) to **Ann Nicholas** at: **Phone/Fax: 434.263.4950** or **pflug001@umn.edu**, or **2)** Request a registration form from **Ann Nicholas** at: **Phone/Fax: 434.263.4950** or **612.205.5715**. Registration confirmation will follow upon receipt of completed form.

Arrangements for payment should be made when registering, but payment does not need to accompany the registration form.

You will need a **scientific calculator and straight edge** to work the problems in the course. Please bring a calculator that you are familiar using.

Further Information

For more information about the course, accommodations or transportation please call , fax, or write Ann, or visit the website: **drpflug.com**;

Email: pflug001@umn.edu;

Phone/Fax: 434.263.4950; 765.583.2488 Cell: 612.205.5715

Mail: Ann Nicholas, 1221 Fortunes Cove Ln., Lovingson, VA 22949

Sponsors

Department of Food Science & Nutrition, University of Minnesota

Environmental Sterilization Laboratory

Faculty

Kristen D. Evans

Director, Global Compliance, Amgen

Course Instructor, Validation

John R. Gillis, Ph.D.

SGM Biotech, Inc.

Course Instructor, Microbiologist, Sporologist

Margarita Gómez, Ph.D.

Ocean Spray Cranberries, Inc.

Course Instructor, Microbiology

M. Ann Nicholas

Environmental Sterilization, Consultant

Course Administrator, Consultant and Trainer

Theron E. Odlaug, Ph.D.

EIR Healthcare Advisors, LLC.

Course Instructor, Managing the Sterilization Operation

Irving J. Pflug, Ph. D.

Professor Emeritus, University of Minnesota

Course Director

Registration Form

Pflug's Microbiology & Engineering Course

Intensive 3-Day Lecture/Problem Course

December 8, 9, 10, 2008

8:00 a.m. to 5:00 p.m.

Valley Forge Scanticon Hotel & Conference Center

1200 First Ave.

King of Prussia, PA 19406

Please Print

Course Registrant _____

Job Title _____

Company _____

Company Address _____

City, State, Zip _____

Phone _____

Fax _____

Email _____

Fee: \$1,990 (USD) per person. This fee includes: 3 text books, breakfast, lunch, mid-morning and afternoon refreshments.

Amount Enclosed: _____

Please make checks payable to: "Pflug's M & E Course" or funds (USD) may be direct deposited in account No: 180130258874 (Irving J. Pflug), US Bank, 60 Livingston Ave., St. Paul, MN 55107. (ABA) Routing No: 091000022. There is a bank transfer fee of \$50.00 for foreign currency transfer which should be added to course fee when using this method.

Please Email (pdf), Fax or Mail completed Registration Form to:

M. Ann Nicholas, 1221 Fortunes Cove Lane, Lovingson, VA 22949

Please mail checks to above address or deposit to above account.

For further information:

Ph/Fax: 434.263.4950, Cell: 612.205.5715, Email: pflug001@umn.edu

This form may be copied for multiple use.