

**The next M&E Course will be at the
Baxter International, Inc. Corporate Headquarters**
located in **Deerfield, Illinois (Chicago Area)**
November 3, 4, 5, 2010
8:00 a.m. to 5:00 p.m.

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

The course registration is limited to 35 students. This is a lecture-problem solving course, therefore the limited registration.

To register for the course: **1)** Download registration form, complete the form, fax or mail to **Ann Nicholas at 765.583.2488, P.O. Box 576, Otterbein, IN 47970; or 2)** Request a registration form from Ann Nicholas by phone or fax. **Registration confirmation will follow upon receipt of completed form.** Please feel free to call Ann or email at: **pflug001@umn.edu** for any questions or for further information.

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:

Baxter International, Inc.
One Baxter Parkway
Deerfield, IL 60015
Phone: 847.948.2000

Accommodations: A block of rooms is reserved at the Marriott Suites, 2 Parkway North, Deerfield, IL, at a special rate of \$135, single or double occupancy. Please call 800.228.9290 and mention that you are attending the "Pflug Course" to receive the special rate. The cut-off date for the special rate is 11 October 2010. Please send registration forms as soon as you determine that you will be attending the course.

Transportation: Chicago International Airport serves the area and transportation to the hotel can be arranged with American Taxi (Rate ≈ \$30); **Phone: 877.755.2227** Transportation to Baxter from the Marriott and back will be provided each day of the course.

If coming by private car, the facility is located just off the I-294 and the Deerfield Road Exit.

Course Objective

The objective of this intensive, three-day, lecture/problem-solving course is to help the student develop an understanding of the basic principles of both the microbiology and engineering aspects of sterilization processes. The content is directed toward heat processes, but the principles are applicable to all sterilization systems.

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.

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

Sponsors

Baxter International, Inc.

Department of Food Science & Nutrition, University of Minnesota

Environmental Sterilization Laboratory

Faculty

Kristen D. Evans

Amgen, Thousand Oaks, CA

Director, Global Quality Compliance

John R. Gillis, Ph.D.

SGM Biotech, Inc.

President and Co-founder of SGM Biotech, Inc.

Margarita Gómez, Ph.D.

Ocean Spray Cranberries, Inc.

Quality Manager, Corporate Quality

M. Ann Nicholas

Environmental Sterilization, Consultant

Course Coordinator, Consultant and Trainer

Theron E. Odlaug, Ph.D.

CyDex Pharmaceuticals, Inc.

President and CEO

Irving J. Pflug, Ph. D.

Professor Emeritus, University of Minnesota

Course Director

Mark Seybold

Baxter Healthcare, Round Lake, IL

Further Information about the course and the hotel

Email: pflug001@umn.edu

Phone/Fax: 765.583.2488

Registration Form

Pflug's Microbiology & Engineering Course

Intensive 3-Day Lecture/Problem Course

November 3, 4, 5, 2010

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

Baxter International, Inc. Headquarters

One Baxter Parkway

Deerfield, IL 60015

Please Print Legibly

Course Registrant _____

Job Title _____

Company _____

Company Address _____

City, State, Zip _____

Email _____

Phone _____

Fax _____

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

Payment Information _____

Please make **checks payable to: "Pflug's M & E Course"** or funds (USD) may be directly deposited to directly to Prof. Pflug's personal account. Please call or e-mail for details regarding direct deposit. Checks should be mailed to address below.

We do not take credit cards.

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

Please mail, fax or pdf e-mail completed Registration Forms to:

M. Ann Nicholas

P.O. Box 576

Otterbein, IN 47970

Email: pflug001@umn.edu

For further information:

Phone/Fax: 765.583.2488

Email: pflug001@umn.edu