

**The next M&E Course will be held at the
Baxter International, Inc. Corporate Headquarters
located in Deerfield, Illinois (Chicago Area)
May 5, 6, 7, 2010**

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 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.

Course Comments: 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.

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.

Accommodations: A block of rooms has been reserved at the Marriott Suites, 2 Parkway North, Deerfield, IL, at the special rate of \$135.00 plus tax, single or double occupancy. This rate is good until 04/12/2010, 12:00 AM. You are able to access the meeting courtesy rate by calling the reservations department and requesting the rate for the Baxter sponsored "Pflug's Microbiology & Engineering Course". **Phone: 847.405.9666.**

Transportation: Chicago International Airport serves the area and transportation to the hotel can be arranged with American Taxi (Rate \$30); **Phone: 849.566.3131.** Transportation to Baxter from the hotel 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.

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

Further information about the course and the hotel:

Email: pflug001@umn.edu

Phone/Fax: 765.583.2488

Facility Location: Baxter International, Inc.

One Baxter Parkway

Deerfield, IL 60015

Phone: 847.948.2000

Sponsors:

Baxter International, Inc.

Dept. of Food Science & Nutrition, Univ. 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.

Sr. 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

Registration Form

Pflug's Microbiology & Engineering Course

Intensive 3-Day Lecture/Problem Course

May 5, 6, 7, 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.

Amount Enclosed: _____

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 e-mail (pdf) 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