

GSITE Newsletter

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New and Departing GSITE Faculty

We are pleased to welcome two new faculty to GSITE this fall, Dr. Eldon Larsen, and Dr. Michael Robinson.

Dr. Larsen is joining us as Associate Professor of Engineering. He has taught on an adjunct basis at the Graduate College since 1997. He has been with Union Carbide since 1983, most recently as Development Scientist. Dr. Larsen holds a B.S. and M.S. in Chemical Engineering from Brigham Young University, and a Ph.D. in Chemical Engineering from University of California, Berkeley. His office is in South Charleston, and he can be contacted at 746-2047, email: elarsen@marshall.edu

This fall, Dr. Larsen will be teaching EM 660 - Project Management which is offered simultaneously in Huntington and South Charleston through the videolink, and IE 610 - Statistical Design in South Charleston.

Also joining the GSITE faculty this fall as Assistant Professor of Engineering is Dr. Michael Robinson. He holds a B.S. in Chemical Engineering from West Virginia Institute of Technology, an M.S. in Environmental Engineering, and a Ph.D. in Civil Engineering from Virginia Polytechnic Institute and State University, and is [a registered professional engineer](#). He comes to us from the Virginia Department of Environmental



Quality - Office of Ground Water Management. His office is in Huntington and he can be contacted at 696-6049, email: robisonm@marshall.edu

Dr. Robinson will be teaching ENVE 625 Hazardous Waste Management in South Charleston, which is open to environmental science students as well as engineering students. He also will be co-teaching a new course ENGR 651 - Computer Applications for Engineering and Technology. (see page two for details on both courses)

Dr. Akhtar Lodgher, Professor in the Information Systems program of GSITE, and Manager of Information Technology programs in the Environmental Center, has moved to Texas. Dr. Lodgher has been a great asset during his nine years at Marshall, and we extend all best wishes to him and his family.



New Engineering Courses

In response to suggestions from students and the engineering community, GSITE is offering several new courses for the fall semester.

ENGR 651 – Computer Applications for Engineering and Technology – will provide instruction and experience in using various types of computer software, such as Excel and Matlab, to solve engineering problems. The course will cover the use of tables, databases, curve fitting, summation of series, systems of equations, solving nonlinear equations, and other commonly encountered engineering problems. The course will be taught in South Charleston by Dr. Bill Crockett and Dr. Michael Robinson, and may be substituted by engineering majors for IS 600 in the core curriculum. Dr. Crockett can be contacted at 746-2044, email: bcrockett@marshall.edu

ENGR 650 – Law for Engineering and Technology – will introduce students to common legal issues associated with the practice of engineering, such as administrative/agency law, malpractice and products liability, copyright and patent law, construction law and contracts. In addition, various policy and ethical issues will be addressed throughout the course. The course will provide students with a better understanding of the legal issues that affect technical professionals on a daily basis. The course is being offered simultaneously through the videolink in both South Charleston and Beckley on Thursdays, from 4:00 - 6:20 p.m. The course will be taught by Associate Dean Betsy Dulin, and may be substituted by engineering majors for E&S 611 in the core curriculum. Assoc. Dean Dulin can be contacted at 746-2087, email: bdulin@marshall.edu

ENVE 625 – Hazardous Waste Management – is not a new course, but one which has not been offered recently. The course will be taught by one of our new faculty members, Dr. Michael Robinson, and will cover all aspects of the handling, storage, treatment, and disposal of hazardous waste. The course is being offered in South Charleston on Mondays, 6:30 - 9:00 p.m. This course replaces ENVE 525G, and the prerequisite is an undergraduate degree in physical sciences or engineering. Dr. Robinson can be contacted at 696-6049, email: robinsonm@marshall.edu



Other Engineering Offerings

CHE 631 - Numerical Methods - covers the formulas of Newton, Bessel, Gauss, and Sterling; methods of quadrature and summation; transformations of Euler and Shank; solution of linear systems of equations; numerical solution of ordinary differential equations. The course prerequisites are knowledge of differential equations, or CHE 630, or equivalent. The course is being taught in South Charleston on Tuesdays, 6:30 - 9:00 p.m., and in Parkersburg on Wednesdays, 6:00 - 8:30 pm by Dr.

Bill Crockett, Distinguished Professor of Engineering.

CHE 660 - Process Synthesis and Conceptual Design - Introduction to a systematic approach for solving process synthesis problems. Tools to help the students in reducing the large search space, which is typical in synthesis problems, down to a small and manageable size. Prerequisite is admission to the M.S.E. program. The course is being taught in South Charleston on Mondays,

4:00 - 6:20 p.m., and on videotape in Parkersburg on Thursdays, 4:00 - 6:20 p.m., by Adjunct Dr. Morteza "Tezi" Mokhtar-Zadek. He has a Ph.D. in Chemical Engineering from Carnegie Mellon University, and is employed at Union Carbide. There will also be participation from selected guest lecturers.

For more information regarding either of these courses please contact Dr. Bill Crockett at 746-2044, email: bcrockett@marshall.edu

Technology Management Offerings

TM 610 - Introduction to Technology Management - Provides an introduction to challenges and approaches of technology management. Considers issues relating to international markets, innovation, and rapidly changing technology. Also covers effective organizational and managerial approaches to technology. Prerequisite for the course is **TM program admission, CR of TM 600**, or permission. This course is being offered in Putnam County for the fall

semester, from 6:30 - 9:00 p.m. Dr. Tony Szwilski, Professor of Engineering, is teaching the course. He can be contacted at 696-5457, email: szwilski@marshall.edu

TM 620 - Technology Planning - Methods of technology planning, strategic management, and forecasting for use in technology intensive organizations are discussed, including technology life cycles and strategies for com-

mercializing products. The prerequisite is TM 610 or permission. The course is being offered simultaneously through the videolink in both Huntington and South Charleston on Thursdays, from 6:30 - 9:00 p.m. The course is being taught by Dr. Bernie Gillespie, Professor of Engineering at GSITE. He can be reached at 696-6007, email: gillespb@marshall.edu

Environmental Science Course Highlights

ES 614 - Risk Assessment Applied to Air Pollutants - Covers the analysis of public health and safety risks, including the physical, medical, legal, public policy, and public awareness aspects, and such issues as the meaning of "risk" and "uncertainty". Prerequisite for the course is admission to M.S.E. or E.S. programs, or permission. The course is being taught by Dr. Bill Kroesser, Professor of Engineering at GSITE. It is being offered simultaneously through the videolink in both Huntington and South Charleston on Mondays, 4:00 - 6:20 p.m. For the convenience of the students EM 660 - Project Management is scheduled immediately following ES 614, so students have the opportunity to take two courses in one

evening. Dr. Kroesser can be contacted at 746 - 2045, email: bkroesser@marshall.edu

ES 652 - Environmental Regulations - is a comprehensive course covering all major federal/state environmental regulations. As a supplement to the Environmental Law course, this new course substitutes for Environmental Regulations I and II and will address regulations promulgated by state and federal agencies in some detail.

The class will be taught in Putnam County, from 6:30 - 9:00 p.m. by Terry Clarke, Esq., counsel for the U.S. Army Corps of Engineers and a frequent GSITE adjunct instructor. Please con-

tact Assoc. Dean Dulin at 746-2087, email: bdulin@marshall.edu for more information.

ES 640 - Groundwater Principles and Monitoring is an introduction to groundwater hydrology, porosity, hydraulic conductivity, aquifer properties, groundwater flow principles, well hydraulics, groundwater geology. Other groundwater topics include groundwater contamination, monitoring and sampling, and remediation. The course prerequisites are a degree in physical sciences or engineering; geology background recommended; consent of instructor. The course is being offered simultaneously through the videolink in both Huntington and South Charleston on Tuesdays, from 4:00 - 6:20 p.m. It is being taught by Dr. Tony Szwiliski, Professor of Engineering at GSITE. He can be reached at 696-5457, email szwilski@marshall.edu

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Information Systems Offerings

Among the Information Systems offerings this fall are two elective courses IS 655 and IS 656.

IS 655 - Multimedia Production and Electronic Information Dissemination - Components of multimedia, such as data, voice, pictures, animations, and videos, and their production, manipulation, dissemination processes. Covers technologies, processes, and services for electronic dissemination. The prerequisites are TM 660 or 660G, or Permis-

sion. The course is offered simultaneously through the videolink in both Huntington and South Charleston on Tuesdays, from 6:30 - 9:00 p.m. Dr. Herb Tesser, Weisberg Professor at GSITE, will be teaching the course. He can be contacted at 696-2696, email: tesser@marshall.edu

IS 656 - Communication and Network Technologies - Covers different transmission media, digital communications, telecommunication services, types

of networks and topologies, network protocols, components, and applications. The prerequisites for the course are IS 622 or 521G, or TM 660 or 660G, or permission. The course is also offered simultaneously through the videolink in both Huntington and South Charleston on Thursdays, from 4:00 - 6:20 p.m. The course is being taught by Mr. Allen Taylor, Director of Research, Planning and Standards at MU Computing Services. He can be contacted at 696-6195, email: taylor@marshall.edu

Web and MILO Registration

Students may register for classes in person, by touch-tone telephone, or on the World Wide Web (WWW).

GSITE students who wish to register in person may do so at the Registration Office in Old Main B-1 in Huntington, or at the Admissions and Registration Office located on the first floor of the Administration Building in South Charleston.

Students can register by touch-tone telephone by calling (304) 696 - MILO or 1-800-696-MILO. Students may also

register on the World Wide Web at the following address:

<http://www.marshall.edu/milo/>. The MILO registration system is usually available 24 hours Monday through Thursday and until 9:00 p.m. on Fridays. MILO registration is unavailable from 9:00 p.m. Friday until 1:00 p.m. Sunday. Please note that on the dates that registration is suspended, you will not be able to register by MILO or WWW.

The following identification is required to access the touch-tone tele-

phone and WWW registration systems:

Student Identification Number: This is usually your Social Security Number, or a nine-digit identification number assigned by Marshall University.

Personal Identification Number (PIN): A six-digit number consisting of your date of birth (i.e., student born on March 23, 1973 would have PIN # 032373). For added security, students are encouraged to change their PIN number once they access their personal account.



Graduate School of Information Technology and
Engineering

GSITE - Huntington Campus
112 Gullickson Hall
Marshall University
Huntington, WV 25755-2586
304/696-4748

GSITE - South Charleston Campus
325 Administration Building
MU Graduate College
100 Angus E. Peyton Drive
South Charleston, WV 25303-1600

We're on the web!
www.marshall.edu/gsite

Register Now — Pay by 8/13/99

Please be aware that if you register 8/5–8/13, you will not receive a statement of fees, and payment must be made by 8/13.

Regular Registration for Fall Semester is 8/16 – 8/20. You will not receive a statement of fees, and payment must be made by 8/20.

Late Registration for Fall Semester for all students is 8/23 – 8/27, a \$20.00 late fee will be assessed, and payment must be made before 4:30 pm on the day of registration.

You may contact the Bursar's Office at 1-800-696-6456 to determine exact tuition costs. Students who register during the

regular and late registration periods will not receive a billing statement from the Office of the Bursar, and are responsible for payment of classes to complete the registration process.

**Fall Semester
begins August 23.**

