INRA
INLAND NORTHWEST RESEARCH ALLIANCE

The University of Montana
MISSOULA

UAF UNIVERSITY OF ALASKA FAIRBANKS

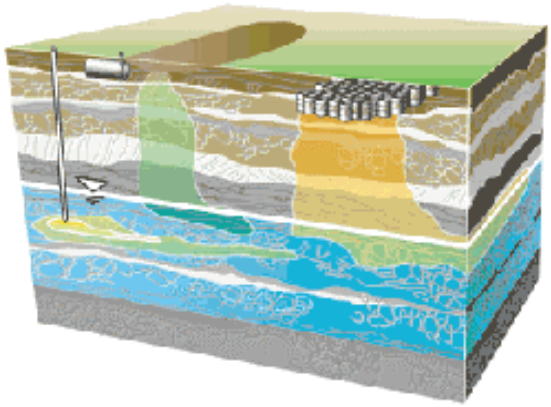
Computational Methods for Subsurface Science
Fall 2003

Brought to you by the Inland Northwest Research Alliance Subsurface Science Graduate Program

This 3-credit course will introduce the concepts of computational methods and subsurface modeling in an integrated framework

Topics will include:

- Programming and scientific visualization in a Unix environment
- Introduction to subsurface flow concepts
- Survey of computational and numerical methods, finite difference and finite element methods in subsurface flow
- Subsurface modeling concepts in reactive processes, method of characteristics, particle tracking methods, numerical dispersion effects, parameter estimation, stochastic modeling and uncertainty
- Parallel programming



David Ogbe

Don Morton

25 August – 17 December 2003
Monday & Wednesday
14:30-16:00 Alaska
15:30-17:00 Pacific
16:30-18:00 Mountain

This course is considered entry-level and is open to all graduate students who meet the following prerequisites:
-2 semesters of calculus
-1 semester of high-level programming language (e.g. BASIC, Fortran, C/C++, Java)

For more information contact:
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Interested students should contact their graduate dean for enrollment details