Software Tools for Environmental Field Study (STEFs)  
1.992 Special Studies in Civil and Environmental Engineering  
Fall 2001 Term  

Course Syllabus (*):

1.0 Introduction to Seminar  9/7/01  
Motivate STEFS Project

2.0 Essentials of Mobile Computing for Field Studies  9/14/01  
Mobile Computing Platform Hardware/Software  
ENVIT-Note Prototype; Create WorkingGroups

3.0 Programming on the Windows CE (1)  9/21/01  
Guest Lecturer: Software Design and Usability

4.0 Programming on the Windows CE (2)  9/29/01  
Guest Lecturer: Database Design

5.0 Programming on the Windows CE (3)  10/5/01  
Guest Lecturer: Graphical User Interface Design

6.0 Programming on the Windows CE (4)  10/12/01  
Guest Lecturer: Hardware Interfacing

7.0 WorkingGroup Planning Presentations  10/19/01  
Prototype Field Testing Study Discussion

8.0 Technologies for Field Studies (1)  10/26/01  
Guest Lecturer: Desktop and Mobile GIS

9.0 Technologies for Field Studies (2)  11/2/01  
Guest Lecture: Watershed and Hydrologic Modeling

10.0 Technologies for Field Studies (3)  11/09/01  
Guest Lecture: Global Positioning System

11.0 Technologies for Field Studies (4)  11/16/01  
Guest Lecture: Remote Sensing and Data Sources

12.0 WorkingGroup Final Presentations  11/30/01

13.0 Beyond the Prototype (1) and (2)  12/07/01  
Guest Lecture: Entrepreneurship in Software Industry  
Guest Lecture: Business Plan Development

14.0 Seminar Wrap-up  12/14/01  
Discussion of Product Field Testing

(*) Subject to changes