

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

*Course Syllabus (\*):*

<b>1.0</b>	<b>Introduction to Seminar</b> Motivate STEFS Project	<b>9/7/01</b>
<b>2.0</b>	<b>Essentials of Mobile Computing for Field Studies</b> Mobile Computing Platform Hardware/Software ENVIT-Note Prototype; Create WorkingGroups	<b>9/14/01</b>
<b>3.0</b>	<b>Programming on the Windows CE (1)</b> Guest Lecturer: Software Design and Usability	<b>9/21/01</b>
<b>4.0</b>	<b>Programming on the Windows CE (2)</b> Guest Lecturer: Database Design	<b>9/29/01</b>
<b>5.0</b>	<b>Programming on the Windows CE (3)</b> Guest Lecturer: Graphical User Interface Design	<b>10/5/01</b>
<b>6.0</b>	<b>Programming on the Windows CE (4)</b> Guest Lecturer: Hardware Interfacing	<b>10/12/01</b>
<b>7.0</b>	<b>WorkingGroup Planning Presentations</b> Prototype Field Testing Study Discussion	<b>10/19/01</b>
<b>8.0</b>	<b>Technologies for Field Studies (1)</b> Guest Lecturer: Desktop and Mobile GIS	<b>10/26/01</b>
<b>9.0</b>	<b>Technologies for Field Studies (2)</b> Guest Lecture: Watershed and Hydrologic Modeling	<b>11/2/01</b>
<b>10.0</b>	<b>Technologies for Field Studies (3)</b> Guest Lecture: Global Positioning System	<b>11/09/01</b>
<b>11.0</b>	<b>Technologies for Field Studies (4)</b> Guest Lecture: Remote Sensing and Data Sources	<b>11/16/01</b>
<b>12.0</b>	<b>WorkingGroup Final Presentations</b>	<b>11/30/01</b>
<b>13.0</b>	<b>Beyond the Prototype (1) and (2)</b> Guest Lecture: Entrepreneurship in Software Industry Guest Lecture: Business Plan Development	<b>12/07/01</b>
<b>14.0</b>	<b>Seminar Wrap-up</b> Discussion of Product Field Testing	<b>12/14/01</b>

*(\*) Subject to changes*