



# Navstar Interactive: GPS for Natural Resource Management

Saskatchewan Institute of Applied Science and Technology

## Objectives for Innovation

Web-based resources, online testing and reference materials, with a multimedia CD-ROM

## Intended Audience

Students in resource management programs

Personnel in natural resource management sector

## Results Achieved

Multiple modes for flexible access to credit and non-credit study in Integrated Resource Management and Mineral Resource Management

General interest or professional development for personnel in forestry, fisheries, wildlife and parks sectors

Access for students at SIAST Woodland Campus and across the province by request

## Implementation

September 1999

## Academic Program Web Site

<http://www.siastr.sk.ca/~woodland/dos/technology/irm/index.htm>

## Additional Benefits

Serves as a model for interactive multi-mode delivery of technically demanding and skill intensive training

The Navstar Interactive program consists of three applied study levels in the theory and application of global positioning satellite (GPS) technology. The content is covered primarily via an interactive multimedia CD-ROM that includes presentations on GPS operating principles and procedures, along with integrated web links that provide support and access for students to GPS providers, databases and additional information. Students may also complete review exercises and take their quizzes online.

The first level of study, GPS Resource Manager's Overview, introduces GPS technology and its growing applications in resource management. Navstar Primer, the second level, provides a foundation in recreation and general navigation. The third level, Navstar Core, covers advanced concepts and applications of GPS in natural resource management, including positional data collection and correction strategies and techniques. All levels are designed to provide effective, interactive and media-rich learning resources for students to build the knowledge and skills necessary to apply GPS technology in resource management.

With the rapid implementation of GPS technology in the diverse resource management sector, the demand for training is strong. Personnel requiring training are often located in remote areas. This program enables students to complete foundation training at a distance, with resources and links that might otherwise be difficult to obtain.

## Contact

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