Implementation Form – Graduate / Professional Certificates

This form must accompany a certificate proposal. It is used by administrative offices to better assist departments and programs with implementation.

Name of Graduate / Professional Certificate: Transportation Management and Policy
Faculty Program Director: Teresa Adams
Primary Faculty/Staff Contact: Greg Waidley
Home Department/Academic Unit (Name/UDDS): Nelson Institute for Environmental Studies/A403900
Approval Date: Spring 2002
School/College: Nelson Institute for Environmental Studies
Approval Date: N/A
GFEC Approval Date: Fall 2002
UAPC Approval Date: 12/1/2002
Implementation Term (typically the fall term after UAPC approval): Fall 2002 /1032
Year that first program review is scheduled (usually 5 years after implementation): 2012-2013

Plan Code (assigned by the Registrar’s Office): GCRT730
Plan Descr (assigned by the Registrar’s Office): Certificate in Transportation Management Policy at the Graduate Level
CIP Code (assigned by Academic Planning and Analysis): 520209
Primary Divisional Disciplinary Assignment (assigned by APA for analysis purposes only): SOC

Curriculum:
_____ Included in detail in the proposal
___ x A list of required and elective courses is attached

Credit total required (should be between 9 and 12): 17
Credits required to be taken in residence at UW-Madison (must be at least 50%): 17 (only statistics pre-req can be taken elsewhere)

Confirm that all core/required courses are approved through Divisional Committee: Yes
Confirm that courses in curriculum are offered on a regular basis and have space for students in this program: Yes

Projected enrollment: 10-15

What provisions have you made in the admissions process to gain consent from students’ degree/major program(s) to participate in the certificate program?
We will email the student’s advisor for consent when the student applies to the certificate program.

Certificate Implementation Form
Confirm that all courses numbered 300 or above  
Yes

Confirm that courses taken as pass/fail or audit are *not* allowed  
Yes

Confirm that special topics courses are only used if all instances count for the certificate:  
*All instances of the same topic will count.*  
Yes

Will you use the typical minimum GPA requirement of 3.0 for all course work for the certificate?  
Yes
If no, specify other requirements:

Are courses taken Credit/No Credit allowed?  
If yes, specify limits:  
No

Will exceptions to requirements be allowed?  
If yes, specify limits and process:  
*Any course substitutions must be approved by the program chair.*

The department/program has a process in place to monitor student progress and to notify the Registrar’s Office when students complete the certificate requirements  
Yes

Program faculty and staff understand that a student’s graduation should not be delayed to complete the certificate.  
Yes

Specify overlap provisions – name degree/major or certificate programs that may *not* be earned along with the certificate.  
Note that majors take priority over certificates.  
(Students may not earn a graduate certificate if they are also earning a post-baccalaureate major/degree or PhD minor with the same name.)

Assessment plan – confirm that the proposal includes a plan that describes how the faculty will regularly evaluate student learning.  
Yes  
*We will comply with the new certificate review guidelines.*

Certificate Implementation Form
TMP Course List

Each TMP student must complete at least 17 credits of courses, as noted in the following categories, plus an internship. Specific course offerings may change over time; please consult the latest list of available courses approved for the TMP program.

Prerequisite: One college-level course in statistics.

**Core Courses, 5 credits**

- Envir St/Civ Engr 970 Colloquium in Transportation Management and Policy, 1 credit (two sessions of this course are required, for a total of 2 credits)
- Envir St/Civ Engr 772 Practicum in Transportation Management and Policy, 3 credits

**Technology/Engineering, 3 credits**

One of the following courses or an approved substitute:

- Civ Engr 370 Transportation Engineering (cannot be used to satisfy TMP curriculum if required for the student's undergraduate degree), 3 credits
- Civ Engr 570 Environmental Impacts of Transportation Systems, 3 credits
- Civ Engr 571 Urban Transportation Planning, 3 credits
- Civ Engr 573 Geometric Design of Transport Facilities, 3 credits
- Urb R 601 Site Planning, 3 credits

**Economics, 3 credits**

One of the following courses or an approved substitute:

- OIM 744/Econ 502 Economics of Transportation, 3 credits
- Tran P U/Econ 478 Urban Transport Economics, 3 credits
- Civ Engr 679 Special Topics: Travel Behavior Analysis, 3 credits
- Real Est 720 Urban Economics, 3 credits

**Policy/Management, 3 credits**

One of the following courses or an approved substitute:

- Civ Engr/Pub Affr 694 Management of Civil Infrastructure Systems, 3 credits
- Urb R Pl/Envir St 843 Land Use Policy and Planning, 3 credits
- Envir St 809 Energy Analysis and Policy Seminar, 3 credits
- URPL 969 Seminar: Trends and Issues in Policy Planning - Comprehensive Planning, 3 credits
Environmental, 3 credits

One of the following courses or an approved substitute:

- Envir St/Soil Sci 575 Assessment of Environmental Impact, 3 credits
- Envir St 506 Environmental Modeling and Analysis, 3 credits
- Envir St 539 Air Resources Science and Policy, 3 credits
- Agron 875 Special Topics: Agro-ecosystems and Global Change, 3 credits

Proposed course substitutions must be indicated on the student's study plan and approved in advance by the TMP program chair.