

# *GG505 – Transportation Geography - SYLLABUS*

---

## **Course Information**

**Course number:** GGS505  
**Course title:** Transportation Geography  
**Term:** Spring 2017  
**Class Meetings:** Tuesday 4:30pm – 7:10pm  
**Class Web Page:** [courses.gmu.edu](http://courses.gmu.edu)

---

## **Professor Contact Information**

**Professor:** Kevin M. Curtin, PhD  
**Email:** [curtin@gmu.edu](mailto:curtin@gmu.edu)  
**Office:** Exploratory Hall 2207  
**Office Hours:** Friday 2pm – 4pm (Jan 27 through May 12, 2017)  
**Office Phone:** (703) 993-4243  
**Home Page:** <http://locationscience.gmu.edu/People/Curtin/Curtin.html>

---

## **Course Description**

Structure, principles, location, and development of world transportation. Critical role of transportation in moving people, goods, and ideas at international, national, regional, and urban levels.

---

## **Required Textbook**

Rodrigue, J-P, C. Comtois, and B. Slack (2017) *The Geography of Transport Systems*, 4<sup>th</sup> edition, Routledge - Taylor and Francis.

---

## **Grading Policy**

Lab Assignments (5)	100 points each	500
Class Participation (1)	100 points	100
In-Class Presentation (1)	150 points	150
Final Exam (1)	250 points	250
Total Possible Points:		1000 points

---

## **Course & Instructor Policies**

**Extra Credit:** There may be a few take home exercises for extra credit.

**Late Assignments:** Assignments are due by the start of the class period on the due date. Late assignments are accepted up to 4 days late. Each day incurs a 10 point penalty. **There are no exceptions to this policy.**

**Attendance:** Attendance is expected and required

**Academic Integrity:** Students are expected to follow the GMU Honor Code

All academic accommodations regarding disabilities must be arranged through the **Office of Disability Resources** (703-993-2474)

DATE	TOPICS	ASSIGNS	READINGS
01/24/17 Lecture 1	Intro to Transport Geography A Brief History of Transportation and Geography Network Measures and Indices		
01/31/17 Lecture 2	Networks and Connectivity Measures of Accessibility		Chapters 1, 2 Methods 1, 2, 3, 5
02/07/17 Lecture 3	GIS-T Getting started with Network Analyst	Assign 1 Due	Method 4
02/14/17 Lecture 4	Transportation and Economic Development More Network Analyst		Chapter 3
02/21/17 Lecture 5	Transport Modes Multi-modal Network Analyst		Chapter 4
02/28/17 Lecture 6	The Location of Transport Elements More Multi-modal Network Analyst	Assign 2 Due	Chapter 5
03/07/17 Lecture 7	Gravity and Interaction Modelling		Method 9
03/14/17 Lecture 8	<b>SPRING BREAK – NO CLASS</b>		
03/21/17 Lecture 9	Trade and Commodity Flows More Gravity and Interaction Modelling		Chapter 6
03/28/17 Lecture 10	Linear Referencing	Assign 3 Due	Linear Referencing Article
04/04/17 Lecture 11	To Be Determined Guest Lecture		TBA
04/11/17 Lecture 12	TBA	Assign 4 Due	TBA
04/18/17 Lecture 13	Transportation and Urban Form Urban Transportation Planning Process (4-step)		Chapter 7 Method 10
04/25/17 Lecture 14	Transportation and the Environment External Costs of Transport Environmental Impact Assessment		Chapter 8
05/02/17 Lecture 15	Transportation Policy and Planning Regulation of Transport Exam Review	Assign 5 Due	Chapter 9
05/16/17	<b>FINAL EXAM</b>		

*These descriptions and dates are subject to change at the discretion of the professor.*