CE 3201 MARC Game Pre-Survey

Demographic Information

Your umn X.500 ID: (e.g., if your umn email is "abc012@umn.edu", then fill in "abc012")*⎵

[   ]

1. Your age:*⎵

[   ]

2. You are:*⎵

- ○ Male
- ○ Female

3. How do you come to school from home every day?*⎵

- ☐ Walking
- ☐ Bicycle
- ☐ Bus or light rail
- ☐ Driving alone
- ☐ Carpool
- ☐ Other: [   ]

4. How many minutes does your trip take you from home to school?*⎵

[   ]

5. One day you are told there exists another route from home to school. You will definitely switch to that route, if by taking it you can save at least:*⎵

- ○ 0~2 min
- ○ 2~4 min
- ○ 4~6 min
- ○ 6~8 min
- ○ 8~10 min
- ○ 10~12 min
- ○ more than 12 min

Transportation Background

1. Have you worked in transportation planning or engineering before (including internships)? *⎵

- ○ Yes
- ○ No

2. If you answered "Yes" to Question 6, how many years of working experience do you have in the field of transportation:* (in years. If you have never worked in transportation before, fill 0)

[   ]

3. Do you plan to pursue a transportation career?*

- ○ Yes
- ○ No
- ○ Maybe

4. Rate your understanding of transportation planning:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

5. Rate your understanding of transportation network deployment:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

6. Rate your ability to form opinions regarding transportation planning and deployment issues:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

7. Rate your understanding of practical issues associated with transportation planning and deployment:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

8. Rate your understanding of traffic assignment process and equilibrium:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

9. Rate your ability to form opinions regarding traffic assignment and equilibrium:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

10. Rate your understanding of traffic equlibration process and route choice behavior:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

Learning Style

1. Of the following words, check any one(s) that describe your learning style or learning preferences: *

- ☐   Concrete experience (feeling)
- ☐   Reflective observation (watching)
- ☐   Abstract conceptulization (thinking)
- ☐   Active experimentation (doing)
- ☐   N/A

2. Between "sensing" (concrete, practical facts and procedure oriented), and "Intuitive" (conceptual, innovative, theories and meanings oriented), which of the following options describe your learning preference best: *

- ○   Highly Sensing
- ○   Moderately Sensing
- ○   Mildly Sensing or Intuitive
- ○   Moderately Intuitive
- ○   Highly Intuitive

3. Between "Visual" (prefer visual representations, i.e. charts), and "Verbal" (prefer written or spoken explanations), which of the following options describe your learning preference best: *

- ○   Highly Visual
- ○   Moderately Visual
- ○   Mildly Visual or Verbal
- ○   Moderately Verbal
- ○   Highly Verbal

4. Between "Active" (doing), and "Reflective" (thinking), which of the following options describe your learning preference best: *

- ○   Highly Active
- ○   Moderately Active
- ○   Mildly Active or Reflective
- ○   Moderately Reflective
- ○   Highly Reflective

5. Between "Sequential" (linear, orderly, learn in small increments), and "Global" (holistic, system thinkers, learn in large steps), which of the following options describe your learning preference best: *

- ○   Highly Sequential
- ○   Moderately Sequential
- ○   Mildly Sequential or Global

- ○ Moderately Global
- ○ Highly Global

6. Innovative teaching strategies motivate you to learn.*_

- ○ Strongly Agree
- ○ Agree
- ○ Neutral
- ○ Disagree
- ○ Strongly Disagree

7. Rate from 1 to 5 between the two statements: "1: I search for information I am interested to learn" v.s. "5: I am comfortable with learning what instructors teach"*_

	1	2	3	4	5	
1: I search for information I am interested to learn	○	○	○	○	○	5: I am comfortable with learning what instructors teach

Transportation Understanding

1. Given the total traffic demand on the network is fixed, after a new road is added, everyone's travel time will:*_

- ○ Increase
- ○ Decrease
- ○ Stay the same
- ○ It depends

2. Regarding your answer to Question 1, explain the reason why you think so:*_

[text box]

3. After a new road is added to an existing network, overall demand will:*_

- ○ Increase
- ○ Decrease
- ○ Stay the same
- ○ It depends

4. Regarding your answer to Question 2, explain the reason why you think so:*

Game Evaluation

Your umn X.500 ID:(e.g., if your umn email is "abc012@umn.edu", then fill in "abc012")

1. How do you describe your game?*‗Rank from Easy to Hard.

	1	2	3	4	5	
Very Easy	○	○	○	○	○	Very Hard

2. How do you describe your game?*‗Rank from Very Frustrating to Very Satisfying.

	1	2	3	4	5	
Very Frustrating	○	○	○	○	○	Very Satisfying

3. How do you describe your game?*‗Rank from Very Dull to Very Stimulating

	1	2	3	4	5	
Very Dull	○	○	○	○	○	Very Stimulating

4. My learning was enhanced through the experiences of playing the above computer game(s).*‗

	1	2	3	4	5	
Strongly Disagree	○	○	○	○	○	Strongly Agree

5. I was motivated by the teaching strategy of using computer games.*‗

	1	2	3	4	5	
Strongly Disagree	○	○	○	○	○	Strongly Agree

6. How would you rate the effectiveness of computer games as a curriculum tool?*‗

	1	2	3	4	5	
Not effective at all	○	○	○	○	○	Very effective

7. Write down your comments on using computer games as a curriculum tool, and/or your suggestions on improving the approach in this course.*‗

Transportation Background

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Very Poor	○	○	○	○	○	Very Good

3. Rate your ability to form opinions regarding transportation planning and deployment issues:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

4. Rate your understanding of practical issues associated with transportation planning and deployment:*

	1	2	3	4	5	
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5. Rate your understanding of traffic assignment process and equilibrium:*

	1	2	3	4	5	
Very Poor	○	○	○	○	○	Very Good

Transportation Understanding

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[text box]

3. After a new road is added to an existing network, overall demand will:*

- ○ Increase
- ○ Decrease

- ○ Stay the same
- ○ It depends

4. Regarding your answer to Question 2, explain the reason why you think so:*

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[                                                    ▲]
[                                                    ▒]
[                                                    ▒]
[                                                    ▒]
[                                                    ▼]
[◄]          [                              ]        [►]
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