

**Jordan University
Civil Engineering Department**

**Transportation Planning
(931789)**

2nd Semester 2016/2017

Instructor:

Prof. Adli H. Al Balbissi

Reference:

“Traffic and Highway Engineering”, N. J. Garber and L. A. Hoel,
CENGAGE publications, 5th edition, 2015.

Course Evaluation:

Midterm	(Wednesday 15 / 3 / 2017)	30 %
Student lecture	(Wednesday 12/4, 19/4 & 26/4/2017)	15%
Class participation		15 %
Final examination	(To be announced later)	40 %

Course Contents:

The transportation planning process:

- Basic elements of transportation planning
- Transportation planning institutions
- Urban transportation planning

Forecasting travel demand:

- Demand forecasting approaches
- Trip generation
- Trip distribution
- Mode choice
- Traffic assignment
- Other methods for forecasting demand
- Estimating freight demand
- Traffic impact studies

Evaluating transportation alternatives:

- Basic issues in evaluation
- Evaluation based on economic criteria
- Evaluation based on multiple criteria