

## CASA0002: Urban Simulation – Coursework Mark Scheme

We are required to use the marking scheme set out by the University of London (which is A: 70 - 100%, B: 60 - 69%, C: 50 - 59%, Fail: 0 - 49%). For example, with the pass mark at 50%, marks in the 60% generally seen as merit quality, with a mark of 70% indicating work of distinction quality, most marks fall into the narrow band from 50 to 70, with marks rarely awarded above 80%.

This is a guide of the marking criteria of your work.

### **Part I: London's underground resilience: 50 marks**

#### **1.- Topological network: 23 marks**

1.1.- Centrality Measures: **6** (2 per measure)

1.2.- Node removal (Analysis): **17**

4 points per measure measure:  $3 \times 4 = 12$

Discussion of results: **5**

#### **2.- Flows: weighted network: 25 marks**

2.1. Measures on weighted network: **8** (2 per measure + 2 discussion)

2.2. Stations with largest flow and impact on people: **4**

2.3. New station analysis: **13**

Good use of bibliography: **2**

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### **Part 2: Spatial Interaction models: 50 marks**

#### **1. Models and calibration: 18**

1.1. Spatial interaction models: **8**

1.2. Calibration of model: **10**

#### **2. Scenarios: 30**

2.1. Assessment of two new locations: **16**

2.2. Scenario of transport increase: **10**

2.3. Accessibility to supermarkets: **4**

Good use of bibliography: **2**

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