

CA4011 (2016-2017)

Continuous Assignment Specification

Part B (Math Programming using AMPL)

CONTENTS

1 Overview of continuous assessment	2
1.1 Marks breakdown.....	2
1.2 Deadlines.....	2
1.3 Performance of Part B.....	2
2 Specification of Part B	2

1 Overview of continuous assessment

1.1 Marks breakdown

Part A of CA4011 continuous assessment involves simulation. Part B is on Mathematical Programming using the AMPL software tool. The continuous assessment part of this module is worth 30% of the overall module marks and these will be shared equally between Parts A and B. Thus,

Part A is worth 50% of the CA mark or 15% of the overall module mark.

Part B is worth 50% of the CA mark or 15% of the overall module mark.

1.2 Deadlines

The deadlines for submission of the work (through LOOP) are as follows:

Part A: 23.00 on Monday March 20th

Part B: 23.00 on Friday April 21st

1.3 Performance of Part B

This part of continuous assessment is to be done individually.

The deliverable (in pdf format) is to be a report containing, for each of 6 problems, AMPL model(s), data, results and explanations (as stipulated for each problem).

2 Specification of Part B

All 6 problems are from the AMPL book (Fourer et al), as follows:

Any 2 of problems 1-2, 1-4 or 1-5 of the AMPL book, pages 21 to 23.

Any 2 of problems 2-2, 2-3, 2-5 or 2-6 of the AMPL book, pages 39 to 41.

Any 2 of problems 3-2, 3-3 or 3-4 of the AMPL book, pages 52-54.