



## **MSc/Diploma in Remote Sensing and Image Processing**

Please comment on your knowledge of the following areas of Mathematics, Physics and Computing below and return this form with your application form. Be specific in your answers, for example “covered this area in 1<sup>st</sup> year of University”.

This course is heavily dependent on Mathematics, Physics and Computing, and these questions are intended to show your previous experience in these areas. Having no previous knowledge of any of these areas, will not necessarily exclude you and this information will allow us to advise you on any preparatory studies you may need to make before beginning the degree programme. Stating you have previous knowledge of these areas when you do not is not in your own interest and may cause severe problems with some parts of the degree programme. It is important for your own success that you answer these questions accurately.

Name: \_\_\_\_\_

<b>Physics:</b>	
To what level have you studied physics? (E.g., last year at school, 3 <sup>rd</sup> year at university)	
Atomic spectra and atomic transition?	
Maxwell’s equations and electromagnetic theory?	
Geometric and Physical optics?	
<b>Maths:</b>	
To what level have you studied mathematics?	
Linear Algebra, including matrix manipulation?	
First and second order differential equations?	
Eigenvalues and eigenvectors?	
Probability distributions?	
Fourier theory including convolution and correlation?	
<b>Computing:</b>	
What programming languages have you used? Are you expert, competent or a beginner in these?	
What computing environments (operating systems) have you used?	
Please indicate as specifically as possible where you <b>FIRST</b> found out about this MSc programme.	
Careers office	Poster (where? .....)
Internet search engine (which? .....)	<a href="http://www.jobs.ac.uk">www.jobs.ac.uk</a>
Other (please specify: .....)	