

## SECINTEL Dissertation Feedback & Mark Sheet

<b>Student Matriculation No.</b>	Glasgow 2272775	Charles 76213115
<b>Dissertation Title</b>	Cybersecurity for Outer Space - A Transatlantic Study	

### INDIVIDUAL INSTITUTION GRADING

<b>Glasgow Marker</b> Office Use	<b>Charles Marker</b> Office Use	<b>Charles Additional Info</b> Please advise ranking
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### JOINT GRADING (subject to agreement of the external examiner and approval at Joint Exam Board)

**Final Agreed Mark. Markers should make reference to the Joint Charles University-University of Glasgow Grade Conversion Table**

A5 [18]    A [Excellent]

### DISSERTATION FEEDBACK

Assessment Criteria	Rating
<b>A. Structure and Development of Answer</b>	
This refers to your organisational skills and ability to construct an argument in a coherent and original manner	
• <i>Originality of topic</i>	Excellent
• <i>Coherent set of research questions and/or hypothesis identified</i>	Very Good
• <i>Appropriate methodology and evidence of effective organisation of work</i>	Good
• <i>Logically structured argument and flow of ideas reflecting research questions</i>	Very Good
• <i>Application of theory and/or concepts</i>	Very Good
<b>B. Use of Source Material</b>	
This refers to your skills to select and use relevant information and data in a correct manner	
• <i>Evidence of reading and review of published literature</i>	Very Good
• <i>Selection of relevant primary and/or secondary evidence to support argument</i>	Very Good
• <i>Critical analysis and evaluation of evidence</i>	Very Good
• <i>Accuracy of factual data</i>	Very Good
<b>C. Academic Style</b>	
This refers to your ability to write in a formal academic manner	
• <i>Appropriate formal and clear writing style</i>	Excellent
• <i>Accurate spelling, grammar and punctuation</i>	Excellent
• <i>Consistent and accurate referencing (including complete bibliography)</i>	Excellent
• <i>Is the dissertation free from plagiarism?</i>	Yes
• <i>Evidence of ethics approval included (if required based on methodology)</i>	Not Required
• <i>Appropriate word count</i>	Yes

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### ADDITIONAL WRITTEN COMMENTS

**Glasgow Marker**

This dissertation examines EU's policies aimed at addressing the cyber security aspects of the space infrastructure. Overall, the study addresses a salient security topic, is clearly written and well structured, provides clear definitions for the key concepts, engages with a coherent set of arguments, and proposes sensible policy prescriptions. I particularly liked the section on European Union's policy shortcomings where the author displayed attention to detail and critical acumen. Undoubtedly, the strength of the project resides in the student's ability to correctly identify problematic policy aspects and propose pragmatic solutions. At the same time, two major aspects required attention. First, the dissertation is overwhelmingly descriptive and a bit atheoretical. I would have liked to see greater engagement with theories of international relations and public policy. The theoretical section is quite thin in that it does not elucidate which theoretical frameworks best account for the observed policy actions (or lack thereof). Second, while the methodology section is quite long, it does not actually clarify how exactly the research was carried out (what were the precise steps). Here, the dissertation would have been strengthened by a more elaborate discussion of why the proposed methodology is appropriate for examining this topic. These comments notwithstanding, the student has produced a very good study.

**Charles Marker**

Major criteria:

The text deals with a very topical question regarding the cyberthreats in the space environment. The aim of the thesis is to evaluate possible transatlantic strategies regarding the mitigation of such threats. The structure is well established, and the research is conducted thoroughly as the author presents her interest and knowledge in the topic. The only possible flaw is the comparatively large length of the introduction chapters (conceptual and theoretical as well as literature review) in relation to the analysis itself. The theoretical foundations are not necessarily that reflected in the consequent analysis, so the part could have been shortened and more space could have been given to the analytical part itself.

Minor criteria:

The formal issues suffer from the haste in which the text was finished. It is clear that it needs one final proper proofreading to avoid unnecessary formal and language mistakes. Vast majority of the text is however without major problems and the whole text's flow is very good.

Overall evaluation:

The work presents an important analysis of the possible mitigation strategies of cyberthreats for the space utilization inside the transatlantic space and the limits of such approaches. The conclusions regarding the possible way forward are relevant and well researched. The issues consist of a larger number of formal shortcomings and disbalance between theoretical and analytical part of the thesis.

### Charles University > University of Glasgow Grade Conversion

CU General Grade	Grade Specification for Conversion	Percentage	UoG equivalent
<b>A - excellent</b>	Excellent upper (1)	100 – 96	22 (A1) Excellent
	Excellent lower (2)	95 - 91	19 (A4) Excellent
<b>B – very good</b>	Very good upper (1)	90 - 86	17 (B1) Very Good
	Very good lower (2)	85 – 81	16 (B2) Very Good

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<b>C - good</b>	Good upper (1)	80 – 76	15 (B3) Very Good
	Good lower (2)	75 – 71	14 (C1) Good
<b>D - satisfactory</b>	Satisfactory upper (1)	70 – 66	13 (C2) Good
	Satisfactory lower (2)	65 – 61	12 (C3) Good
<b>E - sufficient</b>	Sufficient upper (1)	60 - 56	11 (D1) Satisfactory
	Sufficient lower (2)	55 – 51	9 (D3) Satisfactory
<b>F - fail</b>		50 – 0	8 (E1) Weak

#### University of Glasgow > Charles University Grade Conversion

<b>UofG General Grade</b>	<b>Grade Specification for Conversion</b>	<b>Percentage</b>	<b>CU equivalent</b>
<b>A1-A3</b>	Excellent upper (1)	100 – 96	A - Excellent
<b>A4-A5</b>	Excellent lower (2)	95 - 91	A - Excellent
<b>B1</b>	Very good upper (1)	90 - 86	B – Very Good
<b>B2</b>	Very good lower (2)	85 – 81	B – Very Good
<b>B3</b>	Good upper (1)	80 – 76	C - Good
<b>C1</b>	Good lower (2)	75 – 71	C - Good
<b>C2</b>	Satisfactory upper (1)	70 – 66	D - Satisfactory
<b>C3</b>	Satisfactory lower (2)	65 – 61	D - Satisfactory
<b>D1</b>	Sufficient upper (1)	60 - 56	E - Sufficient
<b>D2-D3</b>	Sufficient lower (2)	55 – 51	E - Sufficient
<b>E1-H</b>		50 – 0	F - Fail

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**Notes for Markers:** When grading the SECINTEL Dissertation markers are asked to reflect upon the aims and learning outcomes for the dissertation. Each dissertation should also adopt a clear security focus reflecting the relevant programme pathway

**Aims:** The course aims to provide students with independent research opportunities. It will include engagement with research methods training leading up to a period of independent research and the production of a substantial dissertation that builds upon themes and issues covered within the MSc International Security, Intelligence and Strategic Studies. Students will be encouraged to develop their own ideas and demonstrate their capacity for original thought and independent research. The dissertation element aims to enable students to identify and research particular issues or problems, linked to security, intelligence and strategy, at a deeper level than is possible within assessed essays and to develop a critical analysis of the existing body of academic work relating to their topic of choice. Students taking this course will be prepared for further research, study or professional careers through the development of their skills in data collection and analysis, use of original and secondary sources and the conducting and writing up of a detailed research project.

**Intended Learning outcomes:** By the end of the dissertation, students will be able to:

- > Devise a realistic programme of research on a topic reflecting the main themes of the programme;
- > Collect, select and critically analyse relevant background literature and arguments of a range of scholars;
- > Understand and select the appropriate methodology for dealing with information sources and data;
- > Apply these methods to gather and interrogate data in an open-minded, rigorous and undogmatic manner;
- > Be able to critically evaluate competing theories and apply relevant theoretical frameworks to guide the study
- > Organise the data collected and analyse the findings in a competent manner that allows for a fluid and logical argument to be presented;
- > Be reflexive and self-critical about findings and the limitations of analysis;
- > Work independently, organising and maintaining own programme of study to meet academic deadlines so as to produce work containing a substantial element of originality.

### **Word Count:**

Dissertations should be 20,000 words in length for students undertaking work-placement as part of the independent study portfolio and 22,000 words in length for standard dissertation students. Word counts exclude the title page, abstract, contents, bibliography and appendices). There is a 10% leeway for words above the upper limit, but no leeway for dissertation that fall under the word requirement. All dissertations must display an accurate word-count including the citations, footnotes/endnotes and chapter/section titles. One point (on the Glasgow 22-point scale) will be deducted for each 750 words under the minimum or over the 10% upper limit.

### **Language:**

The dissertation **must** be written in British English. A Czech Language cover page / abstract may be included

### **Late Submission Penalty:**

Dissertations that do not have an extension or are submitted after an extension deadline are subject to a penalty of 2 secondary bands per day (this includes weekends and holidays) on the Glasgow grading Scale.

### **Plagiarism:**

Dissertations which suffer from excessive (e.g. serious and/or deliberate) plagiarism will be subject to a grade of 0/Fail and be referred to the appropriate authorities at both universities. Dissertations that contain some elements of plagiarism, but which are deemed not to be excessive (e.g. minor instances that are not considered deliberate) based on consultation of both internal markers, should be graded accordingly and will be subject to scrutiny from the external examiner and could still result in a mark of 0 as well as referral to appropriate authorities for disciplinary action.

### **Consultation prior to final grading:**

First marking by both institutions should be completed blind with no prior consultation. Once both markers have graded the dissertation and provided written comments, they should consult on the grading and come to a joint final grade, taking into consideration any late submission or excessive word count penalty. It is the responsibility of the Glasgow marker to oversee this. Where markers cannot come to a joint agreement then the dissertation should be referred to the Programme Convenors at Glasgow and Charles (Dr. Eamonn Butler & Dr Vít Střítecký). The external examiner will be used to moderate any dissertation in this position and the comments referred back to the internal markers for confirmation.