



Senate Handbook

Examination Guidance for Staff

This Handbook supplements Regulations governed by Senate.

It includes policies, advice and/or guidance that all staff are expected to follow in the proper conduct of University business.

Contents

CONTENTS	2
1 INTRODUCTION	3
2 EXAMINATION DEFINITIONS	4
3 PREPARATION OF EXAMINATION QUESTION PAPERS	5
4 EXAMINATION PROCEDURES	7
5 REGISTRY RESPONSIBILITIES.....	8
6 INVIGILATOR RESPONSIBILITIES	8
7 NOTES ON GOOD PRACTICE	11
8 EXAMINATION PAPER SECURITY.....	12
9 CONTACT DETAILS.....	12
APPENDIX A: CANDIDATE GUIDANCE FOR ON-LINE EXAMINATIONS 2021/2022	13
APPENDIX B: USE CASES FOR DIGITAL ASSESSMENTS	16

1 Introduction

This Handbook applies to all examinations taken towards postgraduate taught course awards of the University. It provides practical and procedural guidance for staff involved in the setting and management of examinations. It supplements the Postgraduate Assessment Rules and Managing Taught Courses Senate Handbooks.

The guidance in this Handbook is applicable to all postgraduate taught examinations taken after 1st January 2022.

This Handbook replaces the previously published Examination Guide for Academic Staff.

2 Examination Definitions

<u>Face to Face Examinations:</u>	Traditionally prepared, administered and invigilated examinations.
Closed Book Examinations:	Candidates may not take books or notes into the examination.
Open Book Examinations:	Candidates may take any books they wish into the examination but no handwritten notes or official hand-outs.
Open Note Examinations:	Candidates may take official hand-outs and personal notes taken during lectures into the examination but no books.

Examinations can be both 'Open Note' and 'Open Book' and limitations may be placed on the number of books/notes per candidate as stipulated by the examiner in the examination instructions. The same categories can apply to both oral and written examinations.

<u>Digital Examinations:</u>	These may be undertaken either remotely or in a designated location. Candidates will usually be expected to log into Canvas and complete the exam within a specified timeframe. Digital examinations will be no more than four hours in duration. Learning support adjustments will be incorporated where possible. The University may use online services to ensure the integrity of the exam, such as a Lockdown browser or Monitor. See Appendix B for further details.
-------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<u>Digital Time-compressed assignments:</u>	These are not considered an examination. They do not take place in controlled conditions, and rules for the setting, completion and submission of assignments apply. The submission window is greater than 4 hours. No learning support adjustments are made.
----------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Use of Dictionaries:

The use of printed non-specialist English and/or foreign language dictionaries is permitted. Electronic dictionaries or a personal organiser containing such a dictionary will not be permitted.

Spot Checks:

Dictionaries, pencil cases and calculators will be subject to spot checks by the invigilator and/or the examination administrator. Unless otherwise advised, no personal electronic devices (including mobile phones and smart watches) will be allowed into the examination room.

3 Preparation of Examination Question Papers

- 3.1 Examination authors should consider the format of examinations, whether the content is to be presented as a digital examination or face to face, and tailor questions accordingly. Please refer to Appendix B for suitability of examination types.
- 3.2 Where examinations are set up on Canvas as a digital exam, academics should consult with the Digital Learning Experience team (VLE@cranfield.ac.uk) to discuss requirements, no less than 8 weeks before the examination date. The assessment should be set up using the New Quiz format where possible.
- 3.3 If digital exams are required appropriate approval must be sought by the module leader/question setter (see Appendix B)
- 3.4 Examination questions should be prepared using a consistent font size for all question papers. A Sans Serif font should be used, for example Verdana or Arial, font size 12, and all question text should be left justified.
- 3.5 Previous examination papers for the previous two years will normally be uploaded to Canvas to aid the learning of current students. Therefore questions used in formal examinations should not normally be reused within a three-year period.
- 3.6 Where examination questions are broken down into sections, there MUST be an indication of how many marks or the relevant percentage each section is worth with respect to the overall mark for the paper.
- 3.7 Examination question papers should not be typed or compiled in a location where candidates are or are likely to be present.
- 3.8 All hard copy and electronic versions of examination questions must be stored securely at all times according to appropriate information security procedures. Electronic versions must be password protected, particularly if being e-mailed, and the password must be communicated separately.
- 3.9 Examination question papers must be proofread by another internal academic member prior to being provided, password protected, to the SAS Lead no later than five weeks before the examination date.
- 3.10 For physical exam papers the number of pages of the examination paper should be included throughout the paper (including the front cover) in the format of 'Page X of X'.
- 3.11 Each examination paper for a face to face exam will have a cover sheet to record the date, the name of the course/s that will be taking it, instructions for candidates detailing which questions to answer and whether it is open note or closed book. The length of the examination will be included in the rubric
- 3.12 Responsibilities
 - a) When an examination paper is written entirely by one member of academic staff, he/she is responsible for the paper and its accuracy. They will also be responsible for arranging for an internal proofread and for completing an Examination Check Sheet on Canvas.
 - b) Where a paper has been set by several members of academic staff, the Module Leader will be responsible for the paper, including a proofread and completion of an Examination Check Sheet on Canvas.

- c) If more than one module is represented on the paper, the member of staff responsible will be the appropriate Course Director, unless it is more appropriate for a module leader to act in this capacity.

3.13 Quality Audit

- a) Examination papers should be prepared, proofread and uploaded to Canvas no later than four working weeks prior to the date of the examination, together with an outline solution, marking scheme and Check Sheet. This will enable Registry to liaise with the external examiner and give him/her time to consider the questions and make his/her comments in time for action to be taken by the examination author.
- b) Model answers should give an indication of the knowledge and application of the material required of the candidate the marking scheme for quantitative papers and key points sought for more discursive questions. E-copies of model answers must always be password protected if being e-mailed.
- c) Where an external examiner has concerns about the content of an examination paper or its composition, these should be made known to Registry and they will liaise with the member of staff responsible for the paper, who should either respond positively to these comments or explain in writing why compliance is inappropriate. These comments will be shared with the external examiner and then held on file by Registry for future reference.
- d) Where an external examiner is likely to be out of the country or otherwise detained at crucial periods in the examination process, he or she should notify the responsible member of staff well in advance so that alternative arrangements may be made.
- e) Registry Managers, Education Services, have the right to cancel the examination if the questions have not been properly reviewed.
- f) The completed, approved questions must be ready no later than 1 week before the examination.

3.14 Under NO circumstances should examiners give candidates hints about the content of examination questions.

4 Examination Procedures

General policy/procedures:

- 4.1 Registry will arrange for trained professional invigilators to be present at all face to face exams. If an academic wishes to invigilate his/her own exam, then they must contact Registry in order to attend the official training. The University may use a proctoring service for digital examinations.
- 4.2 For face to face exams there shall be at least two invigilators at any examination, except when more than one examination is being conducted in the same room at the same time, in which case one invigilator per examination is sufficient, or when an exam is taking place for a single candidate, in which case only one invigilator is required.
- 4.3 The lead academic for the exam must make themselves available for the 10 minute allocated reading time in case of questions. If the lead academic is not able to attend, they should nominate a colleague with appropriate subject knowledge to attend to the questions in their place. For digital exams there is no reading time, however the lead academic should still be available in case a problem arises.
- 4.4 The use of programmable calculators in formal examinations is not permitted. Candidates are required to buy the University-recommended calculator, Casio FX 83 or Casio FX 85 range. These are the only models which will be permitted in the examination room. Candidates should have their calculator out on the examination desk for inspection. Calculators other than the prescribed model will be confiscated, and the candidate will have to sit the examination without the benefit of a calculator. Candidates are responsible for the condition of their calculator and ensuring that the batteries are fully charged. For digital exams an appropriate calculator application may have been provided in the lockdown browser.
- 4.5 Unless otherwise advised, candidates are not permitted to bring any personal electronic devices (e.g. mobile phones, tablets, smart watches) into the examination room. Any mobile phones that ring or vibrate during a face to face examination will be confiscated and returned at the end of the examination.
- 4.6 Any candidate with additional requirements (e.g. additional time for those with dyslexia, use of computers or an amanuensis in examinations if necessary, coloured examination papers, etc.) will usually take the examination at an alternative location determined by Registry. Digital examinations will also take into account special requirements where possible.
- 4.7 Any candidate wishing to seek approval for such an arrangement should contact the Learning Support Officer. This should normally be at least two months in advance of the examination (unless extenuating medical circumstances prevent such prior notice) to ensure that sufficient time is available to make the appropriate modifications.

NB: The Learning Support Officers will notify Registry of any candidates with additional requirements. It is University policy that candidates with dyslexia shall be given 25% additional time in formal examinations, i.e. an extra 15 minutes per hour in addition to any other recommendations made by an appropriately qualified educational psychologist.

5 Registry Responsibilities

5.1 Registry will fulfil the following responsibilities in preparation for the examination:

- a) Gathering approval for digital examinations, as required (see Appendix B).
- b) Receive all examination questions from academics and associated documentation and make them available to the external examiner for review.
- c) Prepare and print all examination papers and associated documents prior to the examination or ensure they are ready for digital upload.
- d) Check that exam rooms are set up correctly and safely. Candidates should be spaced to allow for current social distancing, to prevent copying and so that all are visible to the invigilator.
- e) Check the ventilation, light etc.
- f) Setting out of the stationery and any other materials required for the examination.
- g) Instruct the candidates to enter the examination room before the scheduled start of the examination, ensuring they do not bring in any prohibited items or materials.
- h) With the Invigilators, check candidates present their ID card for the examination.
- i) Review possible academic misconduct incidents, including those flagged by Respondus Monitor and report to the Schools as appropriate.

6 Invigilator Responsibilities

Professional invigilators and Academic members of staff invigilating face to face examinations will conduct the following responsibilities and procedures for the examination:

6.1 Duties prior to commencement of the examination:

- a) Invigilators must be present in the examination room twenty minutes prior to the scheduled start time to check all exam arrangements. Registry may delay or cancel the examination if invigilators fail to arrive at the appointed time.
- b) With Registry check candidates' ID cards.
- c) To record attendance Invigilators should check candidate names against the list provided by Registry.
- d) When all candidates are seated, request silence. One invigilator will draw the candidates' attention to any particular instructions on the cover sheets or related to the examination.
- e) Candidates can only bring in a small tube or packet of sweets, and a small transparent bottle of water, but no other food or drink, into the examination room.
- f) Candidates are required to keep bags and coats next to their seat in the examination room, ensuring they do not cause an obstruction. Bags should be closed.
- g) Should there be any queries concerning instructions or printing errors on the paper, answer these by drawing all candidates' attention to them. If appropriate, call on the assistance of the

staff responsible for the questions (or his or her representative), who should always be available at the scheduled start of the examination.

- h) Announce the start and finish time to candidates. Normally an exam will not commence prior to its published start time.
- i) To complete spot checks as described in section 2.
- j) Periodically and systematically check that no candidate is cheating, receiving assistance or assisting other candidates.
- k) Record the names of those leaving the room, the time they left, and the reason given.

6.2 Duties during the examination:

- a) If any candidate arrives late, but within the first 30 minutes from commencement, the invigilator should show him/her, with as little disturbance as possible, to his or her place and record the candidate's time of arrival. Late candidates will not be allowed extra time, but their lateness will be noted on the exam script for consideration by the examination board.
- b) Where a candidate arrives later than the first 30 minutes from commencement of the examination, the invigilator, outside of the examination room, should ask him/her to explain why he or she should be admitted. The invigilator is then responsible for deciding whether or not to admit the student.
- c) The invigilator should not embark on any form of occupation which will prevent careful supervision or distract the attention of the candidates. Invigilators using laptops, tablets, mobile phones or talking among themselves can be very disturbing to candidates, particularly to those sitting in the front rows.
- d) In the case of the indisposition of a candidate when he or she has indicated a wish to leave the examination room temporarily, one invigilator should escort the candidate quietly from the room and stay with them at all times (within reason).
- e) Where an invigilator believes a candidate is using dishonest means, the candidate will be so informed by the invigilator, who will make a note of the circumstances and the time they occurred. The invigilator will also submit a written report immediately for onward dissemination by Registry.
- f) If at any time before the last 15 minutes of the examination a candidate indicates that he or she wishes to hand in his or her script, the invigilator must check that he/she has complied with any instructions on the front of the booklet and then allow him/her to leave the room.
- g) Candidates are not allowed to leave the examination room during the first 30 minutes or last 15 minutes of an examination, in view of the disturbance caused to other candidates. Where two or more examinations are taking place in one examination room, candidates may be advised that they cannot leave the examination room early in view of the disturbance caused to other candidates.
- h) Candidates should be advised when 15 minutes of the examination remains.
- i) At the end of the examination the invigilator must ask candidates to cease writing, remind them to complete the front of the exam paper. They should then instruct the candidates to leave the room in sections, submitting their paper as they leave the room quietly. The invigilator should sign off the appropriate number of scripts for each examination.

- j) Where a candidate fails to stop writing when advised to do so, the invigilator must note this on the front of the examination script.
- k) The invigilator is responsible for the worked scripts and for their secure delivery to Registry or to the appropriate internal examiner.
- l) In the event of any unusual incident or emergency occurring during the examination not covered by these instructions, the invigilators should act appropriately. A full report of any such occurrences should be made to Registry for onward dissemination. In the event that an examination room requires evacuation, candidates should leave all materials in the examination room in line with normal evacuation procedures. Invigilators shall decide whether the examination has been compromised or whether the examination continues and if so whether any extra time is appropriate.
- m) The Invigilators should familiarise themselves with the Senate Handbook on Assessment Rules (Taught Courses) which is distributed to all Cranfield students.

7 Notes on Good Practice

- 7.1 The Universities COVID-Secure guidelines must be followed at all times, including the wearing of masks, the use of hand sanitiser and social distancing.
- 7.2 Examination date requirements will be submitted by the Schools, via the Course Specification Documents. These need to be submitted by the agreed deadline, so that the timetable can be compiled by the end of September each year.
- 7.3 Open book and closed book examinations shall not normally be conducted in the same examination room.
- 7.4 No candidate shall normally be required to sit more than four hours of examination per day.
- 7.5 Examination questions should be lodged with Registry at least four working weeks before the date of the examination. Registry will ensure the questions are given to the external examiner for appraisal, ensure any corrections are actioned appropriately by academics and undertake the duplication and safekeeping of the papers.
- 7.6 Where it is necessary to hold examinations of different lengths in the same examination room, there will be a period of five minutes extra given as each examination is brought to an end to minimise the disruption to candidates sitting longer examinations.
- 7.7 If an examination script is found to be missing, and it appears the fault lies with the University, the candidate will be given a mark for the module in question which is either the coursework assignment mark (where the module is assessed by coursework assignment and examination) or, if the only assessment for the module is the examination, a mark equal to his or her average for all the other taught modules on the course (coursework and examination marks combined).
- 7.8 If an examination script is found to be missing, and it appears the fault lies with the candidate, the Chairman of the Board of Examiners, in consultation with the Academic Registrar, Education Services, will exercise his or her discretion in dealing with the issue. This discretion may include requiring the candidate to undertake a re-sit examination as the first attempt. Any dispute over where fault for the loss of the examination paper lies will be referred to the appropriate Director of Education.
- 7.9 If any problems arise on the day of the exam (academic illness etc.), Registry should be notified as soon as possible.
- 7.10 If a candidate falls ill during an examination, the invigilator is to make a formal note and request the candidate not to continue. Candidates will normally only be allowed to return to their desk and collect their belongings. The formal note will be passed to the Exams Office who will notify SAS that the candidate is entitled to another attempt without penalty. If the sick candidate does not agree to leave the exam when asked to, or leaves the exam without being asked to do so by the invigilator, and they appeal the mark post assessment, the exceptional circumstances procedure is to be followed. Regardless of the candidate's decision, invigilators must make a formal note in the invigilators report form.

8 Examination Paper Security

8.1 Staff should ensure that examination papers are handled securely at all stages of the examination process:

- i. The SAS Lead uploads the paper to a secure area of Canvas
- ii. Registry notify the External Examiner to log into secure area of Canvas to review
- iii. Registry uploads final approved paper to a secure area of Canvas
- iv. Registry prints and securely stores physical papers before an exam
- v. Invigilators ensure secure return of exam booklets to Registry
- vi. Registry ensure exam booklets are transferred securely to markers
- vii. Markers ensure secure transfer of exam booklets to moderators
- viii. Marks are securely returned to Registry, with exam booklets securely returned to SAS
- ix. All waste resulting from the production of examination question papers is shredded or otherwise securely destroyed

8.2 In order to ensure the security of examination papers, staff should:

- a) Password protect any electronic copies of a paper, and provide any password separately,
- b) Store any physical copies of examination papers securely, in a locked cupboard or safe.
- c) Physical copies of papers should not be left unattended in unlocked offices, whilst in transit, or in exam rooms.
- d) Physical copies of papers should not be left with anyone other than the intended recipient.
- e) In the event that markers are unable to securely transmit papers to moderators, return them to SAS for SAS to transmit.

9 Contact Details

If you have any questions about the examination process please contact Education Services:

Registry
Education Services, Building 45
Cranfield University
Cranfield
Bedfordshire
MK43 0AL

Tel: 01234 758010
Tel: 01234 754091

Email: registryexams@cranfield.ac.uk

Registry at Shrivenham: can be contacted by phone: 01793 785704

Appendix A: Candidate guidance for on-line examinations 2021/2022

Types of Examination

Your on-line examination will be in one of the following formats:

- A Digital Exam which you complete via Canvas, either as a downloadable exam document or a quiz. Duration of the exam is no longer than 4 hours. These assessments are not monitored. Learning support adjustments are made where appropriate.
- A Digital assessment using **Respondus lockdown browser**. You will log into the examination via Canvas. Once you start the examination you will no longer be able to access other applications, visit unsanctioned URLs and documents, and the system prevents printing or copying. These assessments are less than 4 hours duration. Learning support adjustments are made where appropriate.
- A Digital Assessment using **Respondus lockdown browser with Respondus Monitor**, which is a fully-automated proctoring system. You will log into the examination via Canvas. In addition to the lockdown browser function, you will also use a webcam to record your online exam. Afterward, flagged events and proctoring results are available to the invigilator for further review. Assessment is less than 4 hours. Learning support adjustments are made where appropriate.

Before the Examination

Absence from Examinations

You must report absence from an examination due to illness or other circumstances by e-mailing your SAS Lead as soon as you are able to do so, preferably *before* the examination is due to take place.

Equipment needed for the assessment

Please check your equipment BEFORE the date of your examination, so that a systems check can be carried out on the equipment you intend to use for the test to ensure it meets the necessary specifications for the test to run smoothly.

Please ensure you do this using the equipment that you intend to use for your examination at least 72 hours before your scheduled test time so that if there are any issues, there is time to resolve them before the examination takes place.

You will need to download the Respondus Lockdown Browser application. This software is available via the IT [self-service portal](#).

System requirements: <https://web.respondus.com/he/lockdownbrowser/resources/>

Note: We do not invigilate computers running virtual machines. If you are running a virtual machine when you enter an exam, you will be asked to close your virtual machine and boot into your actual operating system to take your test. Continuing to use a virtual machine would be considered as possible cheating.

Venue

Assessments may be taken at home, at work or an alternative location but where you can ensure you will be alone and not interrupted for the duration of the assessment and there is a reliable internet connection.

Taking your examination at home is ideal as it means you do not have to travel to take your examination; it is also not restricted in terms of Internet security in the way that some workplaces are with high security fire walls.

If you want to take your assessment in a quiet meeting room at work, then it is particularly important you check that you can access the test site beforehand. If you can't, you may need to ask for special permission from your IT department to enable access for the duration of the test.

You may be asked to take a digital examination in a specific location such as university premises, a testing location or an employer's learning centre.

Service failures, IT or internet outages

Cranfield is not responsible for your IT equipment or internet provision. Please ensure you check whether your equipment is suitable for use.

Take the practice examination

You are advised to take the practice test, where available in Canvas, to ensure you are familiar with how to navigate around the site before your examination date.

Late arrivals

You are advised to check the exact start time and be logged in and ready for that time. If you are late, you may not have sufficient time available to make the necessary checks and complete your examination. No additional time will be allowed.

Arrival for the examination, security checks and identification

If you have a scheduled online assessment, you should be seated and logged on for your assessment at least 5 minutes before the start time.

For Respondus examinations acceptable types of identification are:

- Cranfield Student Card

You may be asked to conduct a floor to ceiling scan of the whole room, desk and workspace so that we can be satisfied the examination environment will not compromise the integrity of the examination.

If your webcam is not portable, you will need a reflective surface such as a mirror to complete the scan.

Use of Notes, Books, Other electronic devices

For monitored, closed book examinations, your workspace must be clear of books, notes, any other papers or internet enabled electronic devices including watches apart from the equipment you are using to take the test.

There must be no notes or diagrams on the walls or other surfaces that may constitute help.

Food and drink

You may have a bottle of water or small snack on your desk. However, this is at your own risk as spillage may compromise the functionality of your computer and therefore your ability to complete the examination.

Use of calculators

Only the calculator app in the lockdown browser or Cranfield approved Casio FX83 or FX85 range of scientific calculators is allowed. You may not use any other type of handheld calculator.

Dictionaries

For closed book exams you may only use a language dictionary.

Dress code

For exams using Respondus Monitor you should be appropriately and decently attired in day clothes. No attire that obstructs clear facial identification should be worn, e.g. large hats or sunglasses.

Reading time

For some digital exams reading time is not feasible as there is no mechanism to relay questions to academics. If this is the case for your exam and you are unsure of the meaning of a question you should say what assumptions you have made in your answer. If an error is found in the examination questions, making any question unanswerable, please complete all remaining questions and report the issue by e-mail to your SAS Lead on completion of the exam.

Other types of examination may have a chat function to allow you to ask questions. Please see Appendix B for types of feedback appropriate to each assessment type.

Learning Support Agreements

If you have a Learning Support Agreement you will be given reasonable adjustments.

During the Examination

1. You should access the online examination through the link on Canvas.
2. For exams using Respondus Monitor our webcam and microphone must be on throughout the examination.
3. You must review the detail provided to you on the instructions page to ensure they are aware of all instructions.
4. Mobile phones must be turned off and stored outside the room used for the duration of the examination. If being used as a hotspot it should be placed out of arms reach, face down and set to silent.
5. For exams using Respondus Monitor, should you need a break during the examination time, it will be recorded that you have taken temporary leave. **The clock will not be stopped whilst you are absent.**
6. For exams using Respondus Monitor, silence must be observed throughout.
7. For examinations where you are required to complete your examination using one or more documents:
 - You must ensure your candidate number and module name are on each submission page, ideally in the header of any Word document.
 - You must ensure your submission has the correct page numbering.
 - Depending on the type of examination, at the end of the duration, there may be a separate time allocation for the collation and upload of the examination submission documents.
 - You can upload a document multiple times during the allocated time for collation and upload. Any document uploaded at the end of the collation and upload period will be submitted for marking.
 - Should the upload link be no longer visible to you due to technical problems please contact your SAS Lead.

Connection problems

If you lose connection during an examination using a lockdown browser, and connection can't be re-established please contact your SAS Lead as soon as possible, and they will advise you further. If you have any evidence of your issues, (screen shots etc) please forward these to your SAS Lead.

Appendix B: Use cases for digital assessments

Option	Description	Use Cases	Governance required	General notes
01	Traditionally prepared and administered examinations	On-campus or centre based written exams.	As per existing academic regulation and procedure. AY21/22 Approval required from Director of Education and Site Activities Group.	Exceptional cases for face to face exams must be made, in detail, to the Director of Education. If approved, a case on how the exam could be safely managed will be made by Registry for the Site Activities Group to review.
02	Digital Exam, usually accessed via Canvas	On-campus, centre based or remote assessment. Most suitable for formative assessments. Task is set via timed online release. It can then be completed online (typically) and must be submitted no later than a pre-determined time via online submission. More exceptionally this may be a “take away” task. Duration of task is no longer than 4 hours Task has no requirement for additional verification or monitoring (Canvas login is used).	As per existing academic regulation and procedure. Case for use as a summative assessments would need DoE approval due to the limited integrity assurance inherent.	Simple format where the question ‘paper’ is uploaded to Canvas and is only available to candidates within the release window. Candidates may be able to e-mail questions to module leader and SAS immediately before and during the exam, responding to these needs to consider equity for all candidates. Susceptible to academic misconduct. Assessment design and content needs to be tailored accordingly. Completion time should normally be consistent i.e. 9am (UK) release with 1pm (UK) submission. A standard pattern should aid understanding of processes. Duration between Release and submission should not exceed 4 hours. Consider timings for internationally based candidates (applies to all cases below) Learning support agreements for additional time and breaks are applied.
03	Digital Time Compressed Assignment	On-campus, centre based or remote assessment Typically an assignment style assessment.	As per existing academic regulation and procedure for Assignments.	Simple format where the assessment is made available in Canvas and is only available within the release window. Susceptible to academic misconduct. Assessment design and content needs to be tailored accordingly.

		<p>Allows candidates time to research and develop more in-depth responses but in a time constrained manner.</p> <p>Task is set via timed online release, it can then be completed offline (typically) and must be submitted no later than a pre-determined time via online submission.</p> <p>Task must be longer than 4 hours in duration from release to submission.</p> <p>Task has no requirement for additional verification or monitoring (Canvas login is used).</p>		<p>Completion time should normally be consistent i.e. 9am (UK) release with 5pm (UK) submission. A standard pattern should aid understanding of processes.</p> <p>Release times and submission times should take account of exam loading e.g. avoid TCA which allow 24hrs and are on adjacent days so they clash.</p> <p>Consider timings for internationally based candidate (applies to all cases below)</p> <p>Learning support adjustments for additional time or breaks (etc.) are not applicable.</p>
4	<p>Digital Assessment using Canvas quiz only ('New Quizzes' default is strongly recommended)</p>	<p>On-campus, centre based or remote assessment.</p> <p>Most suitable for formative assessments, although a case could be made if required as a summative assessment.</p> <p>Duration of task is no longer than 4 hours</p> <p>Task has no requirement for additional verification or monitoring (Canvas login is used).</p>	<p>Simple digital assessment. As per existing academic regulation and procedure.</p> <p>Case for use as a summative assessments would need DoE approval</p>	<p>Assessment is set up using the Canvas quiz function and is wholly managed within Canvas.</p> <p>Susceptible to academic misconduct. Assessment design and content needs to be tailored accordingly.</p> <p>Learning technologists can set up an on-line live forum to facilitate technical questions immediately before the exam and questions for the module lead during the first 10 minutes.</p> <p>Could be administered in an invigilated environment, remotely or in-person.</p> <p>Unless school team are skilled in preparation and testing early collaboration with learning technologists is strongly recommended.</p> <p>Learning support agreements for additional time and breaks (etc.) are applied.</p>

5	<p>Digital Assessment using Canvas Quiz (New Quizzes) with Respondus LockDown Browser (LDB).</p>	<p>Closed book/note style assessments where the design and content requires the candidates to work without the use of other on-line applications or tools.</p> <p>Suitable for both formative and summative assessments</p> <p>Additional authentication of candidate is required.</p> <p>Duration of task is no longer than 4 hours.</p>	<p>As per existing academic regulation and procedure</p> <p>Case for use as a summative assessments would need DoE approval.</p> <p>Decision to deploy LDB formatively must be approved at Course Director level.</p> <p>Registry must be notified for logistical and audit purposes.</p>	<p>Assessment is set up using the Canvas quiz function and is wholly managed within Canvas.</p> <p>Susceptible to academic misconduct. Assessment design and content needs to be tailored accordingly.</p> <p>No chat forum is possible, candidates need to take a view during the exam, and e-mail SAS after the event if they have any issues.</p> <p>Digital assessment literacy in both staff and candidates is imperative. Learning Technologist support recommended.</p> <p>Learning support agreements for additional time and breaks (etc.) are applied.</p>
6	<p>Digital Assessment using Canvas Quiz (New Quizzes) with Respondus Lockdown browser and Monitor - automated proctoring service.</p>	<p>Closed book/note style assessments where the design and content requires the candidates to work without the use of other on-line applications or tools.</p> <p>Preferred solution to achieve integrity assurance desired.</p> <p>Multiple question types are available in Canvas for use as exams</p> <p>Essay based exams</p> <p>Technical question papers (after adaptation)</p> <p>Additional authentication of candidate is required</p> <p>Duration of task is no longer than 4 hours</p>	<p>Rigorous governance is required to ensure appropriate use of enhanced digital security.</p> <p>This must be approved at Director of Education level including reasons why Respondus Monitor is being used.</p> <p>Registry must be notified for logistical and audit purposes</p>	<p>Considerations as case 5 but when greater assessment integrity assurance is required.</p> <p>Consideration for candidate experience required; is this the right tool for specific exam?</p> <p>Monitor report (flags and recordings) will be reviewed by Exams Office and items of concern flagged to course teams as necessary.</p> <p>Flags for equity of experience will be monitored and actioned if required.</p>

7	Digital Assessment using Canvas Quiz (New Quizzes) with Standalone live proctoring service (Examity)	<p>For on-demand UKVI compliant non-SELT language testing.</p> <p>Other admissions type testing.</p> <p>Special cases.</p> <p>Additional authentication of candidate is required</p> <p>Duration of task is no longer than 4 hours</p>	<p>As above, digital assessment governance is mandatory as impact is high.</p> <p>This should be approved at Director of Education level including reasons why live proctoring is being used.</p> <p>Cost approval required before use.</p> <p>Registry must be notified for logistical and audit purposes</p>	<p>Considerations as case 4, 5 and 6 but when greater assessment integrity assurance is required.</p> <p>Consideration for candidate experience required; is this the right tool for specific exam?</p> <p>Proctoring report (flags and recordings) will be reviewed by Exams Office and items of concern flagged to course teams as necessary.</p> <p>Flags for equity of experience will be monitored and actioned if required.</p>
8	In-house live proctoring (such as Respondus self-proctoring, Zoom or Teams)	<p>As above</p> <p>May also be client influenced (e.g. MoD etc.)</p>	As above	<p>Consideration for candidate experience required; is this the right tool for specific exam?</p> <p>Requires Cranfield invigilators with digital literacy and well tested backup services.</p> <p>The supervision and management of large groups (>10) or multiple groups is complex and requires multiskilled invigilators.</p>

Questions to ask that assist when deciding the assessment type for a digital assessment:

1. Do you know what formats may work for your assessment?

Your programme director, director of education, learning technologist, CAAS etc. can help with discussing options

2. Is this a short term (this academic year only) or longer term solution?

It is highly likely that you will not immediately be able to answer this question and experiences this year may change your personal and the institutional view for the future.

3. Is your assessment likely to be impacted by time zone differences or multiple cohorts taking the assessment at different times?

For example, you may want to consider question types or formats that permit the assessment to be undertaken non simultaneously if candidates are in different time zones.

4. Is there anything that needs to be especially considered with respect to your cohort or the required assessment?

This may include considering any requirements from accrediting bodies or PSRBs, the overall duration of the assessment and including reasonable breaks, good practice in timing the start and finish, candidate workload in exam weeks and SLA (specific learning adjustments).

5. Is this the same as in your course and module descriptions? Have you already drafted it? Does the format need to change?

Senate handbooks and Education Services such as your SAR/SAS team can advise about any “paperwork” changes that may be needed.

There are several approaches to enhancing assessment security, those that have been considered for potential use are shown in the table above. For cases 5 - 8 additional measures or procedures are introduced that are different to a traditional “exam hall experience”. The university has considered

- How to ensure the approach will not adversely impact protected characteristics
- Data and Privacy impact assessments
- How can we address potential wellbeing and support additional security requirements of adoption
- How does enhanced a digital assessment security approach fit with our assessment strategy and course level learning outcomes
- What are the (absolute) requirements of the relevant PSRBs

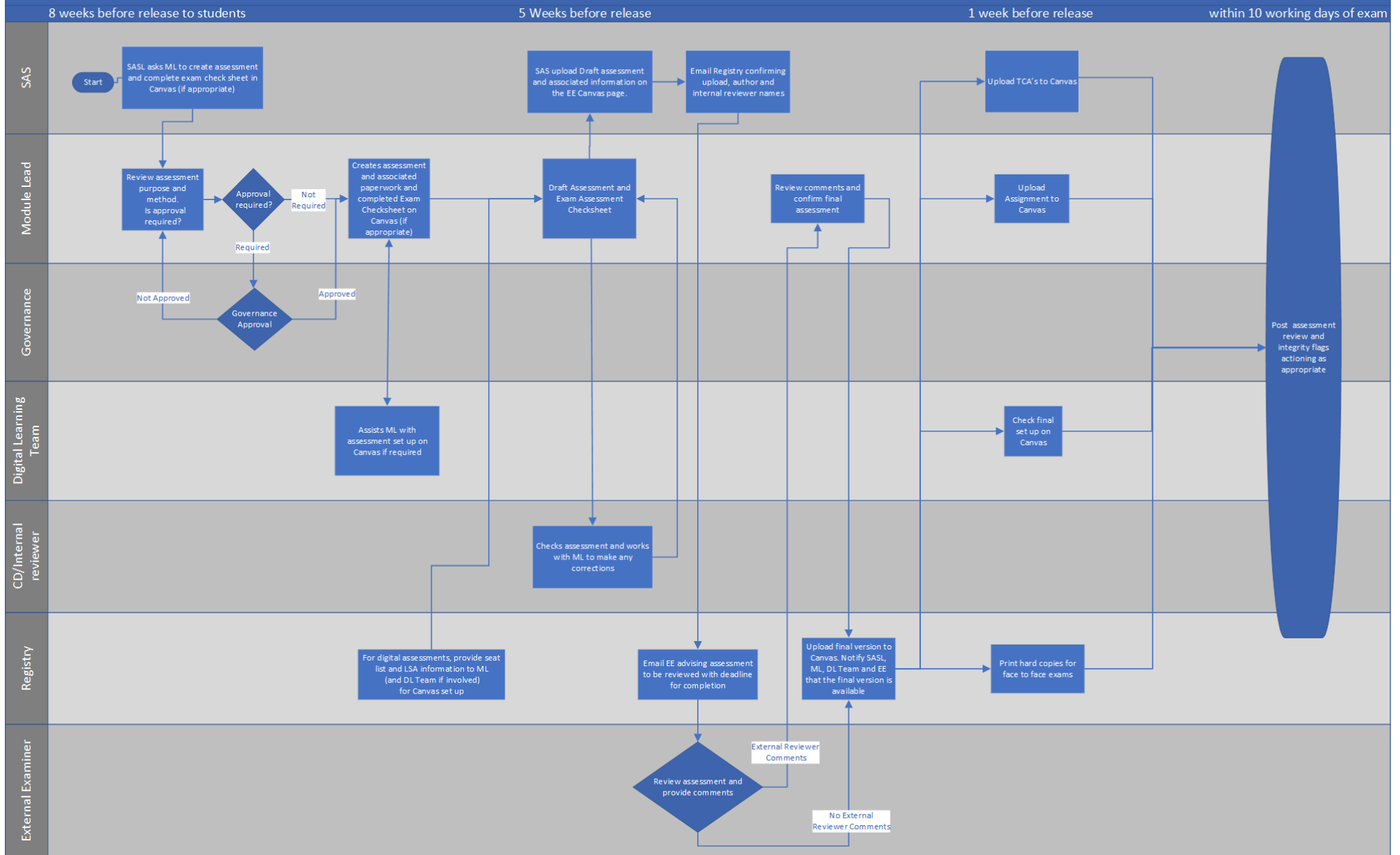
When these enhanced security measures are requested you will be asked to justify your reasoning. Questions such as these will be expected to be answered in your request.

- Do you need live (a person watching) or AI (an algorithm watching and human review) or authentication (identity verification)?

- Are your assessment approaches vulnerable enough to dishonest practice, and if so why have you not redesigned the assessment?
- What steps have you taken to ensure all candidates and staff are involved in a decision to adopt enhanced security in your course or module?

Based upon: *Digital assessment security: Advice on online invigilation and other solutions for ensuring good academic conduct in online assessment. QAA, 2021*

Timeline for the Assessment governance process



Digital assessment timeline

As soon as possible, but no later than 8 weeks before the exam is due to take place

- For use case 2-7 (see Appendix B), Module lead/paper author (ML) to gain relevant governance approval and notify the Digital Learning Experience team (DLE) that they are running a digital assessment (VLE@cranfield.ac.uk).
- ML works on assessment set up. DLE team can assist with set up if required, particularly if complex.
- DLE team will at a minimum set up a chat function for student and academic communication during the reading time at the start of exams (where feasible), and check that the Canvas release timings and LSA set up is correct.

No later than 5 weeks before the exam

- ML arranges for the paper to be proofread by another member of academic staff
- ML completes Exam Checksheet quiz on Canvas.
- ML makes the exam and associated material available to the SAS Lead
- Registry provide DLE team with seat list and LSA information.

No later than 4 weeks before the exam

- SAS uploads the exam to Canvas in Word format and notify Registry it is available.
- Registry arrange for External Examiner (EE) to review content.

No later than 2 weeks before the exam

Either

- a) no amendments required/suggested by the External Examiner or
- b) suggested amendments notified to ML (c.c. DLE team) by Registry which are actioned (if appropriate) and Registry notified when updated version now available.

Registry notifies ML, SAS, DLE and EE final version now available.

1 week before exam

- Final checks made by Registry and DLE team.

Owner	Academic Registrar
Department	Education Services
Implementation date	January 2022
Approval by and date	Academic Registrar, January 2022
Version number and date of last review	Version 1.0; January 2022
Next review by	August 2022