## Rotterdam School of Management Erasmus University

## Bachelor of Science International Business Administration

**Rules & Guidelines 2021 – 2022** 

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# Rules and Guidelines (R&G) of the Bachelor of Science in International Business Administration 2021 – 2022

#### **Preamble:**

Pursuant to Article 7.12b of the Dutch Higher Education and Research Act (*Wet op het hoger onderwijs en wetenschappelijk onderzoek - WHW*), these Rules and Guidelines (R&G) are established by the Examination Board RSM – EUR within the framework of the Teaching and Examination Regulations of the bachelor's degree programme BSc in International Business Administration. These R&G contain guidelines and instructions for the examiners appointed by the Examination Board, to assess and determine the results of the examination parts and the final exam, and rules with regard to safeguarding the quality of the examinations and the final exam, procedural rules with regard to the granting of exemptions, procedural rules with regard to suspected fraud and the measures to be taken in the event of fraud.

#### Section 1 – General

#### Article 1.1 – applicability of the Rules and Guidelines

These Rules and Guidelines (R&G) are applicable to the examinations and the final exam of the bachelor's degree programme BSc in International Business Administration at the Rotterdam School of Management, Erasmus University, hereinafter referred to as the programme.

#### Article 1.2 - definitions

Unless differently mentioned, in these R&G, the same definitions will be used as formulated in article 1.3 of the Teaching and Examination Regulations.

#### Article 1.3 - tasks of the Examination Board

- 1. Based on the law, the Examination Board has the following tasks and responsibilities:
  - a. A supervisory responsibility with regard to the quality assurance of the tests and final exam. This responsibility is manifested in the competence of the Examination Board to:
    - award the degree certificate;
    - appoint the examiners (see Article 1.5 of these R&G);
    - supervise the quality of final exams, examinations and tests (verification of required exit qualifications):
    - take disciplinary action in case of fraud (see Section 5 of these R&G);
    - supervise the implementation and execution of the examination regulations with due observance of the common legal principles such as equality, legal security, legitimacy, reasonableness, fair play and so on;
    - act as mediator or as the defendant in case of disputes or appeals.
  - b. Regulatory tasks: The Examination Board sets rules and gives instructions to the examiners. These rules have been laid down in these R&G as well as in the Examination Manual for examiners. These rules concern matters such as order during examinations, fraud, assessment criteria, compensation rules, classifications (such as (summa) cum laude).
  - c. Tasks that are further defined in the TER. This concerns the granting of exemptions from the TER in <u>individual cases</u> due to personal circumstances or on grounds of the hardship clause (if a rule in an individual case leads to unreasonable consequences). A few examples are: the granting of exemptions for courses, the interim advice within the framework of the binding study advice, the adjustment of the norm of the binding study advice in the case of personal circumstances, granting extra examination opportunities.
  - d. Advisory tasks: The Examination Board advises the Dean regarding the TER.
  - e. *Mandate*: The Examination Board has been mandated by the Dean to establish the final BSA.
- 2. In the event that the quality of a test cannot be guaranteed due to serious irregularities prior to or during the test (for example, because a considerable part of an old test was reused or a technical defect occurred during a digital test or because the assessment is incompatible with the law, the TER or these R&G), the Examination Board may declare the test invalid. In that case, students must be given the opportunity to take a new test as soon as possible or if applicable a reassessment should be carried out.

#### Article 1.4 – rules of procedure and working method

- 1. The Examination Board establishes Rules of Procedure in which its working method is laid down as well as the division of portfolio of tasks between the members of the Examination Board for handling the day-to-day affairs with regard to those tasks.
- 2. Requests to the Examination Board must be submitted via the Online Request Form or via Osiris Zaak (for example, a request for special facilities for students with a disability). A request must be fully motivated and include all relevant documents. Any (certified copies of) diplomas, transcripts, certificates, etc. may not be submitted digitally, but must be shown in original form at the secretariat of the Examination Board. The Examination Board will take a decision within four weeks of receiving the complete request and informs the student about this via the ERNA account e-mail address or via Osiris Zaak.

#### Article 1.5 –appointment of examiners, Examiners Register, Examination Manual

- 1. For the purpose of conducting examinations and establishing the results thereof, the Examination Board appoints the examiners in compliance with the following rules:
  - a) Tenured and tenure track RSM academic staff (assistant professors, associate professors, endowed and full professors) as well as tenured RSM lecturers will be appointed as examiner for the teaching within their discipline, in principle for the duration of their employment contract (category 1 examiners);
  - b) At the request of the Department, in consultation with the Academic Director, other members of the RSM academic personnel (e.g. untenured lecturers, researchers, PhD candidates) may be appointed as an examiner for a specific course (e.g. thesis trajectory), in principle for the duration of an Academic Year (category 2 examiners);
  - c) At the request of the Department, in consultation with the Academic Director, external examiners such as a former member of the RSM academic staff or a (former) member of academic staff of another School of the EUR or any other research university may be appointed as an examiner for a specific course (e.g. thesis trajectory), in principle for the duration of an Academic Year. This person must meet the following requirements: a completed PhD, or a university master's degree with demonstrable extensive experience in performing scientific research. Furthermore, at least a hospitality agreement is required (category 3 examiners);

Furthermore, if an Academic Director must hire external experts to guide and assess students in the context of the MSc thesis trajectory, also the following rules must be adhered to:

- The Thesis Coordinator of the MSc programme shall submit a list of the external experts to be appointed including the required information (such as e-mail address, degrees, scientific research) to the Examination Board via ec@rsm.nl;
- Externals hired as freelancer (via IB-47) must have a hospitality agreement (GVO). No hiring on a 'no cure (pass for thesis), no pay basis';
- These freelance examiners may act as co-reader only (exemptions on substantiated request and will certainly be allowed in case of former faculty members or PhD candidates who were associated with the department offering the MSc programme concerned);
- The Academic Director must allocate an experienced examiner to mentor the external expert (for instance the thesis coordinator) to make the external familiar with RSM rules and procedures;
- d) A UTQ (University Teaching Qualification, in Dutch BKO) or equivalent is preferable or at least following a course for the UTQ;
- e) An examiner who is appointed for the first time shall be mentored by an experienced examiner from the relevant Department.
- 2. In case of special circumstances, the Examination Board may grant exceptions to the above
- 3. The examiners provide the Examination Board with the information requested.
- 4. All appointed examiners shall be registered in the RSM's Examiners Register.
- 5. The Examination Board can suspend or withdraw the appointment as examiner if the person concerned persistently fails to comply with the applicable examination regulations or fails to deliver examinations that meet the minimum quality standards. The Examination Board will not do so until the person concerned in all fairness has had a chance to conform to the relevant rules.

6. The examiners shall comply with the binding rules the Examination Board has set regarding examinations. These rules shall be included in these R&G and/or the Examination Manual.

#### Article 1.6 - the criteria

In the decision-making process the Examination Board employs the following criteria as a guideline, and in case of contrariety of criteria weighs the importance of employing one against another:

- the preservation of the quality and selection criteria of each examination;
- the efficiency criteria, for example, expressed in terms of aiming to limit loss of time (wherever possible) for students who make rapid progress with their studies when preparing for examinations;
- motivating students to interrupt their studies as soon as possible in cases where it is very unlikely that they will pass their examinations;
- protecting students from taking on too large a study load;
- tolerance towards students who, through circumstances beyond their control, have encountered delays during their studies.

#### **Section 2 – Exemptions**

#### Article 2.1 – exemption from practical applications

A request for exemption from the obligation to take part in practical exercises, as referred to in article 2.4 of the Teaching and Examination Regulations, should be submitted by the student in writing, with reasons and supported by documentation, to the Examination Board at least four weeks before the practical exercise for which exemption is requested is scheduled to begin. In exceptional cases, the Examination Board may permit derogation from the period stated in the last sentence.

The Examination Board decides within four weeks of receiving the request. The student is informed immediately of the decision.

#### Article 2.2 – exemption from a course examination

- 1. A request for exemption from a course examination, in keeping with legal requirements, should be submitted in writing to the Examination Board along with an explanation of the reasons and documentation. The Examination Board can establish additional regulations regarding the procedure. These regulations will be published on the Examination Board website.
- 2. With due observance of the provisions set out in Section 5 of the Teaching and Examination Regulations, the Examination Board takes a motivated decision within four weeks after the request has been lodged. The student will be informed immediately of the decision.
- 3. If a student already has exemption under the provisions of or by virtue of the law for one or more examination parts, he/she should report this to the Examination Board.
- 4. The exemption is indicated on the grade transcript with 'EXEMPT'. An exempted examination part is not taken into consideration when determining the classification of the final exam.

#### Section 3 – Rules of order regarding tests and final exams

## Article 3.1 – general rules of order regarding written tests in the shared facilities on the Woudestein campus

To ensure that written tests that are taken in the shared facilities on the Woudestein campus, such as the examination hall in the Van der Goot-building, are administered in a similar manner, general agreements and rules have been made with the Examination Boards of Erasmus University Rotterdam with regard to order during written tests in the facilities concerned. The general rules of order rules are available on the <a href="Erasmus University website">Erasmus University website</a>.

If the general rules of order deviate from the rules of order as laid down in this R&G, the rules of order in this R&G will prevail, unless the Examination Board decides otherwise in a specific case.

#### Article 3.2 – registration for examinations, and written tests

- A student who is registered for a course in Osiris will be automatically registered for a course's first test opportunity. In addition, Programme Management will manually enrol students who either <u>failed or did not participate</u> in a course's first test opportunity to the re-sit.
   However, students with valid passing grades who wish to take a re-sit **must register themselves** via Osiris Student during the registration period starting 26 working days before the test and expiring five working days before the test. During this period, registration is also possible at the ESSC¹.
- 2. The Head of Student Administration can, with the approval of the Examination Board, establish specific rules for proper registration for examinations, or written tests by virtue of the Teaching and Examination Regulations of the programme and the Rules and Guidelines of the Examination Board. These specific rules will be announced in a proper manner in sufficient time.
- 3. The Examination Board can derogate from the date of registration referred to in paragraph 1 if the student, as a result of force majeure, has been unable to register on time and correctly. Under certain circumstances, force majeure may be said to exist in the event of, for example, a student being unable to register in the usual way (OSIRIS, in writing, another student) because of sickness or special personal circumstances. The student should submit the request for this as soon as reasonably possible.
- 4. Anyone who has not registered for a final exam or examination in accordance with the provisions of or by virtue of these R&G may not take part in the final exam or examination concerned. If, notwithstanding the foregoing, the student nevertheless takes part in the final exam or examination, the examiner or the Examination Board will not establish a grade.
- 5. Students who received a campus ban from the Executive Board of the EUR, may not participate in the tests in the designated examination rooms and halls of the Woudestein-complex of the EUR during the ban.

#### Article 3.3 - entering and leaving the room in which the written test is being held

- 1. Only a student who has registered on time and correctly for the written test may take part in the examination concerned and will be admitted to the room where the written test is being held.
- Admission to the hall where a written test is organized is declined fifteen minutes after the start
  of the written test concerned. A student who is admitted to the hall after the start of the
  examination concerned must ensure that he/she causes as little disturbance as possible to the
  students already present.
- 3. A student taking part in the test may not leave the room earlier than one hour after the start of that test. A student who leaves the test before the end of the test concerned should ensure that he/she causes as little disturbance as possible to the students still present.
- 4. Students may not visit the toilet during the first and last half hour of a test except in extremely exceptional medical or other circumstances; the student must inform the invigilator of these circumstances in advance. Each student may visit the toilets once during the test, and only one person from each section shall be given permission at any one time. Students must notify the invigilator that they have to use the toilet and the invigilator's instructions must be complied with fully.
- 5. Personal belongings such as coats, bags, mobile phones, watches and other items that are not allowed to be used during the written test are not allowed to be brought into the hall where the test is held. These must be placed outside the test room in lockers, if available. If no lockers are available, coats must be placed over the chair. Bags must be closed and out of reach of the student. Watches, mobile phones and such must be switched off and out of reach of the student.
- 6. Scrap paper, examination questions, answers and other examination-related documents may not be taken from the room during and after the examination. Only when clearly indicated on the front page of the test paper, scrap paper may be taken by the student after the official examination time has elapsed.

#### Article 3.4 - general provisions concerning order during the written test

1. On behalf of the Examination Board, the invigilators appointed for this purpose are charged with maintaining order during the written test. An examiner may act as invigilator.

<sup>&</sup>lt;sup>1</sup> Please check <u>RSM website</u> for up-to-date- information regarding exam and re-sit registration procedures.

- 2. Every student must comply with the instructions of the invigilator. If a student does not comply with the instructions and/or requests of the invigilator, the invigilator may exclude him/her from taking further part in the test, with the consequence that no result will be established.
- During the written test, the student must, at the request of the examiner or the invigilator, prove his/her identity with a valid proof of registration (student card) or another legally valid proof of identity. Without valid proof of identity the student will be excluded from taking the test and no result will be established.
- 4. Only a valid proof of registration (student card), another legally valid proof of identity, the registration verification, the exam paper and answer sheet, writing materials and a ruler may be placed on the student's desk. No study material such as a (graphical) calculator, literature or other sources of information may be placed on the student's desk unless explicitly authorized by the examiner in advance and stated on the front page of the test paper. Approved study material (without any notes on them) is solely for the student's own use. Not approved material may be deemed to be fraud and will be reported to the Examination Board.
  - During the examination the student is not allowed to make use of a dictionary. In addition, a maximum of one cold snack and one bottle of non-alcoholic drink are allowed for the student's own use. The use of food and drink should not in any way cause inconvenience, at the discretion of the principal invigilator.
- 5. A student taking part in the test is obliged, on request of the invigilator, to show, and if requested, to hand over, the materials that he/she has with him/her.
- 6. Only the paper provided by EUR is to be used for the written test. The use of the student's own paper is not permitted.
- 7. A student taking part in the written test should write his/her name, signature and student /examination number on each sheet of paper that is handed in. The invigilator checks whether this has been done correctly before the test is handed in to him/her.

#### Article 3.5 - Specific rules of order for online tests

- 1. If the student is not registered for an online test, access to the assessment software is impossible. Late registration is not possible.
- 2. For online tests with or without online supervision (online proctoring), further rules and instructions may also apply regarding e.g. agreeing to an integrity statement, requirements regarding the room in which the student takes the exam, the procedures for logging in and identification, and toilet visits. Students are expected to follow any additional guidelines provided in this regard. Not following these rules and instructions may be deemed to be fraud and will be reported to the Examination Board.

#### Article 3.6 – cancellation of examinations in the event of an emergency

- If an emergency (an unintended or unexpected event that can lead to disruptions on the EUR campus) is expected prior to the commencement of an examination, the Examination Board may cancel the examination in consultation with the Student Administration. Any such cancellation will be announced on the EUR website index page, the ESSC and Student Administration's news pages and on SIN-online.
- 2. If an emergency occurs or is expected during an examination, those present must leave the examination hall immediately on the instruction of the person bearing responsibility (i.e. an (coordinating) invigilator or a Student Administration's employee), leaving behind their answer sheets.
- 3. As soon as possible after the cancellation of the examination, the examiner will determine whether a grade for the written test can be reasonably determined on the basis of the answers already completed and/or the answer sheets submitted. If the examiner concludes that a grade cannot be determined, he/she shall inform the Examination Board.
- 4. Following such an examination cancellation, the Examination Board will consult with the responsible examiners and Programme Director to set a new date for the cancelled examination as soon as possible, preferably within two weeks of the original examination date. The new examination date shall be published on SIN-online and on the Student Administration website.

#### Section 4 - The examinations, tests and assessments of the courses

## Article 4.1 – the questions and assignments, assessment plan, peer review protocol and publication exam questions

- 1. The form of the examination of a course as mentioned in article 3.2 of the Teaching and Examination Regulations will be announced in the course manual.
- 2. The examination of a course must meet the following conditions: valid, reliable, transparent and efficient. These conditions are detailed in the RSM's testing policy document.
- 3. At least 60% of the examination part must be individually assessed, unless the Examination Board granted exemption from this rule.
- 4. The questions and assignments of the examination of a course do not go beyond the sources announced in advance from which the examination material is derived. These sources need to be announced in the course manual before the start of the course.
- 5. The examination of a course is representative of the learning objectives of the course in terms of content and form and in line with the intended learning outcomes of the degree programme. This is documented in a course assessment plan that will be published in the course manual.
- 6. The questions and assignments of an examination are clear and unambiguous, and are asked in such a way, or contain such instructions, that the student can know how comprehensive and detailed the answers must be.
- 7. Well in advance of a written test being held, the examiner gives the students the opportunity, if possible, to peruse a written sample of a similar examination, and also the model answers and the norms on the basis of which the assessment was made.
- 8. The duration of the examination is such that examinees have sufficient time, measured according to reasonable criteria, to answer the questions.
- 9. In advance of the test concerned being held, the examiner asks a colleague to check the test on the instructions mentioned in this article. The Examination Board may prescribe a peer review protocol.

#### Article 4.2 - assessment criteria

- 1. Wherever possible, assessment of written tests, takes place based on previously established model answers and criteria, which can possibly be modified as a result of correcting the tests.
- 2. The assessment method is sufficiently transparent that the examinees can see how the results of the tests were established.
- 3. In cases of tests of an examination given and assessed by more than one examiner, the Examination Board ensures that the examiners' assessment is based on the same criteria. If necessary, it shall appoint a supervising examiner for conducting the tests.

## Article 4.3 – determining the grades: absolute cut-off score, rounding off, averaging, passing, grade floor, bonus assignments

- 1. Course examinations and tests are assessed with grades on the scale 0.0 10.0, accurate to one decimal point.
- 2. The lowest passing grade for an examination or a test is 5.5. This grade is determined according to the absolute cut-off score, wherein the number of points for a sufficient grade is established ex-ante.
- 3. In derogation from paragraph 1, sufficient results of language electives and courses taken (whether or not in the context of an international exchange programme) at a foreign university will be registered as a 'pass'. Furthermore, practical tests such as practical exercises, presentations or participation performance, may be assessed with a 'pass' or 'fail'.
  - Tests assessed with a 'pass' or 'fail' cannot be averaged nor included in the GPA calculation as referred to in article 6.3, paragraph 1.
- 4. To encourage students to study, bonus assignments can be assigned to a course. Participation is not mandatory. Bonus tests cannot be retaken. Passed assignments can be awarded with bonus credits up to a maximum of 1.0. Bonus credits are only valid if the final grade of the course is ≥ 5.5 (bonus credits not included). The term of validity of the bonus credits is limited to the academic year in which the bonus assignment is taken. In Bachelor year 1 bonus credits should be valid in addition to the regular exam as well as the resit. If the course concerned is part of both the BA and IBA programme, the bonus assignment should be implemented in both programmes. Examiners may stipulate that bonus credits are only valid in addition to the regular exam and not the resit (only an option in Bachelor 2 and/or 3). Additional rules to bonus credits must be explicitly

announced in the course manual. The Examination Board may stipulate further rules concerning bonus assignments.

- 5. If grades must be rounded off and averaged within a course, or between courses or to determine the GPA or the classification the following rules apply by default:
  - Unless otherwise stated in the Undergraduate Catalogue or the relevant course manual, grades are averaged according to the weighted average of the credits, where the average is rounded off to the nearest decimal place. For example, if rounded off to one decimal place, 5.450 is rounded to 5.5, and 6.9449 is rounded to a 6.9. If rounded off to two decimal places (for example to calculate the overall GPA or a cum laude) an 8.2449 is rounded to an 8.24 and an 8.2450 is rounded to an 8.25, etc.;
  - In case the assessment of a course is based on more than one test, then the rule applies that the separate tests are rounded off at one decimal place and the final grade is rounded to one decimal place. All intermediate computations are not rounded off. The same applies if the assessment of one test in fact consists of two parts (such as partly multiple-choice questions and partly open questions): both parts must be considered as separate tests. For example:

weighing factor	Grade per test unrounded	Grade per test	correct is	incorrect is
20%	6.32	6.3	1.26	1.3
80%	5.58	5.6	4.48	4.5
			5.74	5.8
final grade:			5.7	5.8

- 6. If the examination of a course is assessed on the basis of more than one test, no final grade for the examination will be calculated if one of the test grades is lower than a 4.5 (= minimum grade requirement). Tests that can be taken only once per academic year, most likely practical exercises, presentations, participation performance and team or individual assignments, and do not have an improvement or re-sit option, are exempted from this rule.
- 7. Additional examiners' rules regarding the assessment (e.g. regarding the weighting of examination parts and/or regulations on the minimum grade requirement) must be:
  - approved in advance by the Examination Board, and
  - announced at least six weeks before the examination is held, by means of a written announcement to the Student Administration, and by means of publication in the obligatory study material and/or in the Sin-Online Course Guide and/or in Canvas and/or on SIN-online.

Rules that do not comply with these conditions are null and void and have no legal force.

- 8. For the establishing of grades for a multiple-choice test the following principles apply:
  - a. No wrong answers in the test counts as a 10.0.
  - b. All questions incorrect up to and including the number of correct answers that correspond with the random guessing counts as a 0.0 This means that the '0.0' amounts to: (the number of multiple-choice questions)/(the number of response alternatives). For instance, 40 questions and 4 response possibilities: 40 / 4 = 10: 10 answers correct counts as a 0.0.
  - c. Each question has equal weight. The weight per correct answer above the random selection then is in case of for example 40 four choice questions: 30 (40 10) questions make the difference between a 0.0 and a 10.0 (so 10 points): so, each question is worth 10 / 30 = 1/3 points.
  - d. The standard cut off score for pass/fail is set on 5.5. In case of for example 40 four choice questions the cut off score is at 27 correct answers, rounded off (40 / 4 + (5.5/ 1/3)). The grade will be a 5.7.

If an examiner concludes that a multiple-choice question is incorrect after the examination, this question should be excluded. Consequently, the multiple-choice test will have fewer questions, and this can affect the cut score of the examination as well as the weight of each correct answer in the grade of a student. Examination questions can only be dropped with the approval of the Examination Board.

If the multiple-choice question in itself is correct but has more than one correct answer, it remains part of the multiple-choice test unless all answers are considered correct: in that case the multiple-choice question does not assess anything i.e. has no value, and will therefore not count as part of the examination and should be removed with the approval of the Examination Board.

Examiners may only derogate from these instructions with the approval of the Examination Board.

9. Examination results are registered in Osiris by the Student Administration.

#### Article 4.4 - Additional assessment rules for remote tests

In case of remote assessment of tests, additional assessment rules are applicable such as the following:

- a. a remote test must be as fraud resistant as possible.
- In case of a remote plenary written test, the examiner must design the test in such a way that
  the answers to the exam questions cannot be quickly found in the book, found in an internet
  search, or communicated in chat groups; hence exam questions should be at the higher
  levels of Bloom's Taxonomy,
  - In addition, the examiner must take measures to prevent fraud such as randomizing exam questions and/or answers, the use of large item banks, in order to have as much as possible individual questions/exams. For a re-sit, new item bank must be used. Written tests consist of open-ended and/or mc-questions under the following conditions:
    - Open-ended/essay questions with randomized questions and large item banks, thus as much as possible individual exams. Use assessment rubric and plagiarism scanners;
    - MC-questions only under the following conditions:
      - max 50% of the test thus always in combination with essay/open questions;
      - preferably 40 4-answer-options questions (minimum 20 questions);
      - item bank at least 4 times number of questions:
      - randomization of the order of questions, answers options, and parameters (if applicable);
      - questions should be at the higher levels of the Bloom taxonomy (not remembering level);
    - Quizzing: short, small tests connected to homework, usually during class. In general, quizzes are more suitable for formative grading. However, max 10% of the final grade is allowed. Quizzing for summative testing for more than 10% of final grade is only allowed under the following conditions:
      - ID/Erna-account check is included:
      - > students have limited time to complete the quiz;
      - a large item bank (at least four times number of questions);
      - randomization of the order of questions, answers options, and parameters (if applicable);
    - Furthermore, although the duration of each exam must be such that examinees have sufficient time to finish the test, it is recommended to include an element of time pressure.
- c. Students should explicitly be made aware that by taking remote online tests, they are expected to adhere to the regular EUR and RSM ethical standards of behaviour and that they must answer the test questions and perform the assignments to the best of their own ability, without seeking or accepting the help of others or use resources that are not explicitly allowed. Students must know that not adhering to these terms is considered fraud.

#### Section 5 - Fraud

#### Article 5.1 - Definition and examples of fraud

- Fraud is the action or negligence of a student as a result of which it is impossible, entirely or partially, to form a correct judgment about the knowledge, insight and skills of him/her or another student. Examples of fraud are cheating, cribbing, plagiarism, freeriding in a team assignment, availability of unauthorized (study) material during a test such as mobile phones, outsourcing, identity fraud, theft.
- 2. Although fraud concerns an active act or omission on the part of the student the student is at fault it is not necessary that there was intent or that the student had the intention to commit fraud or that the student benefited from the fraud.
- 3. In group assignments, in principle, all group members are responsible for any fraud in the execution of the assignment. When students have been culpably negligent to prevent fraud of one or more group members, this will be deemed to be fraud.
- 4. Students can also commit fraud as a co-perpetrator. This is especially the case when students disclose their work to others for plagiarism.

5. Any preparation to commit fraud can also be regarded as a form of fraud.

#### Article 5.2 - Fraud detection and procedure

- 1. The Examination Board expects examiners to actively scan for plagiarism (whether or not by use of Turnitin).
- 2. If in the matter of taking a written test on campus, fraud is detected or suspected, this is established in writing as soon as possible by the invigilator or the corresponding examiner. The invigilator may ask the student to make available any items of evidence. A refusal to do this is recorded in the written report. The student is given the opportunity to add written comments to the written report of the invigilator.
- 3. Online proctoring can be used to detect fraud during a remote written test in case alternative test methods are reasonably not possible.
- 4. The examiner or the invigilator must inform the Examination Board in case of detected or suspected fraud via <a href="mailto:eb@rsm.nl">eb@rsm.nl</a> as soon as possible. The notification is accompanied by the evidence including a report and if available any comments of the student. In case of a fraud detection by a plagiarism scanner, the outcome of the fraud detection is attached, including an explanation of the examiner of why fraud is alleged to have occurred.
- 5. The Examination Board informs the student that a suspected fraud will be investigated.
- 6. The Examination Board will invite the student for a hearing. Depending on the case, the examiner concerned will be invited to attend the hearing.

#### Article 5.3 - Fraud measures

- 1. The Examination Board determines the sanction based on the documents and the hearing.
- 2. The Examination Board or the examiner may exclude a student who has committed fraud from further participation in the examination of which the test for which the irregularity was detected is part, and/or take other appropriate measures. The exclusion has the consequence that no result will be established for the examination or test concerned. Before the Examination Board decides to make the exclusion, it gives the student the opportunity to give his/her account.
- 3. The other appropriate measures as referred to in paragraph 2 may consist of, among others, the following sanctions:
  - a. reprimand;
  - b. invalidation of the examination and/or test concerned;
  - c. exclusion from one or more examinations and/or tests:
  - d. exclusion from one or more examination periods;
  - e. a combination of the above measures to a maximum of exclusion for at most one year;
  - f. in a serious case of fraud the Examination Board may advise the Executive Board to end the enrolment for the programme of the person concerned once and for all.
- 4. The sanction must be proportional to the violation.

#### Section 6 - The Final IBA Exam

#### Article 6.1 – establishment of the result of the final IBA exam

- 1. Students have passed the final IBA exam when they have taken all examination parts, with pass grades or exemptions.
- 2. As an exception to the first paragraph, students may pass the exam with a 4.5 or higher for one examination part of the course year B1, provided that all components of course year B1 were passed, with the exception of the component with the 4.5 or higher, and this insufficient grade is compensated for by at least one rounded 7 or higher for another component of B1.
- 3. In addition, students may pass the final exam with compensation of one failed course under the following conditions:
  - it concerns a course of the year B2 or B3 with the exception of:
    - o regarding old style programme as referred to in Article 2.3b TER: trimester 7 courses with a value more than 7,5 EC and the Research Training/Bachelor Thesis, or
    - regarding new style programme as referred to in Article 2.3a TER: B3 courses with a value more than 7,5 EC (such as minor, Internship, Exchange, etc) and the Bachelor Project (7 EC),

and

- the grade of the failed course is between 4.5 - 5.5, and

- the grade point average mentioned in article 6.3 paragraph 1 is at least 7.0 (including the grade for the to-be compensated course).
- This compensation rule will only be applied by the Examination Board upon the student's request.
- 4. On behalf of the Examination Board the Head of the Student Administration establishes the results of the final exam, in accordance with the Teaching and Examination Regulations of the programme and the R&G of the Examination Board.

#### Article 6.2 - the degree certificate, the grade transcript and the diploma supplement

- 1. As proof that the final IBA exam has been passed, the Examination Board awards a degree certificate, after the Executive Board of the Erasmus University Rotterdam declared that the procedural requirements for the issuance have been met.
- 2. On a grade transcript, which constitutes a part of the degree certificate, the examination parts belonging to the final IBA exam are stated.
- 3. The degree certificate is accompanied by a diploma supplement in accordance with the agreed European standard format.
- 4. The degree certificate, the transcript and the diploma supplement are signed by the chair or the substitute chairman of the Examination Board.
- 5. On behalf of the Examination Board, the Head of the Student Administration shall be responsible for issuing the degree certificate, the grade transcript and the diploma supplement to the student in person, unless the student opts for receiving the documents from the Examination Board at the official graduation ceremony.

#### Article 6.3 – GPA calculation, (summa) cum laude classification

- 1. The grade point average (GPA) is the average grade for all of the examination parts weighted on the basis of the credits and rounded to the nearest tenth of a decimal (hence, a 5.45 will become a 5.5). The GPA will be recorded on the transcript that accompanies the certificate.
- 2. If the examinee has shown exceptional skill while taking the examination, this may be stated on the certificate with the classification 'cum laude' or 'summa cum laude' in accordance with the following rules:
  - The classification 'cum laude' will be awarded if the student has fulfilled at least the following criteria:
    - the average of the rounded grades (to the first decimal) for the examination parts, as referred to in article 2.3a or 2.3b of the Teaching and Examination Regulations, calculated on the basis of the credits is an 8.25 or higher, in addition to which
    - no rounded grade for an examination part may be lower than a 5.5, and
    - no more than two examinations have been taken more than once (this criterion applies from cohort 2014-2015).
  - The classification 'summa cum laude' will be awarded if the student has fulfilled at least the following criteria:
    - the average of the rounded grades (to the first decimal) for the examination parts, as referred to in article 2.3a or 2.3b of the Teaching and Examination Regulations, calculated on the basis of the credits is a 9.0 or higher, in addition to which
    - no rounded grade for an examination part may be lower than a 5.5. in addition to which
    - no examination has been taken more than once.
  - For the establishment of a classification, exemption has been granted for no more than 40 EC of B2/B3 examination parts and a minimum of 120 EC of the total required EC of the programme needs to consist of examinations taken in the programme of RSM Erasmus University.
- 3. In addition to the previous paragraphs: exemptions and results of examinations that are awarded with a pass/fail, for example examinations taken in the context of an international exchange programme at a foreign university, are not included in the determination of the classification.
- 4. The GPA referred to in paragraph 1 can be converted to internationally current (number or letter) grades according to the <u>GPA transformation table</u> set out in the Annex to these Rules and Guidelines. On the Osiris study progress report the international GPA on the four-point scale is listed in accordance with the said Annex, in addition to the GPA referred to in the first paragraph.

## Section 7 – Final and implementation provisions

### Article 7.1 - changes in these R&G

No changes will be made that are applicable to the current academic year, unless the interests of students or examinees are, in reason, not thereby prejudiced.

### Article 7.2 – entry into force

These R&G enter into force on 1 September 2021.

## **Annex GPA-transformation table**

(as referred to Article 6.2, par. 4 R&G)

RSM grades from	Up to and including	International GPA	Letter grade
10	10	4	A+
8.00	9.99	4	Α
7.99	7.99	3.99	A-
7.98	7.98	3.98	A-
7.97	7.97	3.97	A-
7.96	7.96	3.96	A-
7.95	7.95	3.95	A-
7.94	7.94	3.94	A-
7.93	7.93	3.93	A-
7.92	7.92	3.92	A-
7.91	7.91	3.91	A-
7.90	7.90	3.90	A-
7.89	7.89	3.89	A-
7.88	7.88	3.88	A-
7.87	7.87	3.87	A-
7.86	7.86	3.86	A-
7.85	7.85	3.85	A-
7.84	7.84	3.84	A-
7.83	7.83	3.83	A-
7.82	7.82	3.82	A-
7.81	7.81	3.81	A-
7.80	7.80	3.80	A-
7.79	7.79	3.79	A-
7.78	7.78	3.78	A-
7.77	7.77	3.77	A-
7.76	7.76	3.76	A-
7.75	7.75	3.75	A-
7.74	7.74	3.74	A-
7.73	7.73	3.73	A-
7.72	7.72	3.72	A-
7.71	7.71	3.71	A-
7.70	7.70	3.70	A-
7.69	7.69	3.69	B+
7.68	7.68	3.67	B+
7.67	7.67	3.66	B+
7.66	7.66	3.65	B+
7.65	7.65	3.63	B+
7.64	7.64	3.62	B+
7.63	7.63	3.61	B+
7.62	7.62	3.59	B+
7.61	7.61	3.58	B+
7.60	7.60	3.57	B+
7.59	7.59	3.55	B+

7.58	7.58	3.54	B+
7.57	7.57	3.53	B+
7.56	7.56	3.51	B+
7.55	7.55	3.50	B+
7.54	7.54	3.49	B+
7.53	7.53	3.47	B+
7.52	7.52	3.46	B+
7.51	7.51	3.45	B+
7.50	7.50	3.43	B+
7.49	7.49	3.42	B+
7.48	7.48	3.41	B+
7.47	7.47	3.39	B+
7.46	7.46	3.38	B+
7.45	7.45	3.37	B+
7.44	7.44	3.35	B+
7.43	7.43	3.34	B+
7.42	7.42	3.33	B+
7.41	7.41	3.31	B+
7.40	7.40	3.30	B+
7.38	7.39	3.29	В
7.37	7.37	3.28	В
7.36	7.36	3.27	В
7.34	7.35	3.26	В
7.33	7.33	3.25	В
7.32	7.32	3.24	В
7.30	7.31	3.23	В
7.29	7.29	3.22	В
7.28	7.28	3.21	В
7.26	7.27	3.20	В
7.25	7.25	3.19	В
7.24	7.24	3.18	В
7.22	7.23	3.17	В
7.21	7.21	3.16	В
7.20	7.20	3.15	В
7.18	7.19	3.14	В
7.17	7.17	3.13	В
7.16	7.16	3.12	В
7.14	7.15	3.11	В
7.13	7.13	3.10	В
7.12	7.12	3.09	В
7.10	7.11	3.08	В
7.09	7.00	3.07	В
	7.09		
7.08	7.08	3.06	В
7.08 7.06		3.06 3.05	B B
	7.08		

7.00	7.00	2.02	D
7.02	7.02	3.02	В
7.01	7.01	3.01	В
7.00	7.00	3.00	В
6.99	6.99	2.99	B-
6.98	6.98	2.98	B-
6.97	6.97	2.97	B-
6.96	6.96	2.96	B-
6.95	6.95	2.95	B-
6.94	6.94	2.94	B-
6.93	6.93	2.93	B-
6.92	6.92	2.92	B-
6.91	6.91	2.91	B-
6.90	6.90	2.90	B-
6.89	6.89	2.89	B-
6.88	6.88	2.88	B-
6.87	6.87	2.87	B-
6.86	6.86	2.86	B-
6.85	6.85	2.85	B-
6.84	6.84	2.84	B-
6.83	6.83	2.83	B-
6.82	6.82	2.82	B-
6.81	6.81	2.81	B-
6.80	6.80	2.80	B-
6.79	6.79	2.79	B-
6.78	6.78	2.78	B-
6.77	6.77	2.77	B-
6.76	6.76	2.76	B-
6.75	6.75	2.75	B-
6.74	6.74	2.74	B-
6.73	6.73	2.73	B-
6.72	6.72	2.72	B-
6.71	6.71	2.71	B-
6.70	6.70	2.70	В-
6.69	6.69	2.69	C+
6.68	6.68	2.67	C+
6.67	6.67	2.66	C+
6.66	6.66	2.65	C+
6.65	6.65	2.63	C+
	6.64	2.62	
6.64			C+
6.63	6.63	2.61	C+
6.62	6.62	2.59	C+
6.61	6.61	2.58	C+
6.60	6.60	2.57	C+
6.59	6.59	2.55	C+
6.58	6.58	2.54	C+
6.57	6.57	2.53	C+

e se	6 56	2.51	Cı
6.56	6.56	2.51	C+
6.55	6.55	2.50	C+
6.54	6.54	2.49	C+
6.53	6.53	2.47	C+
6.52	6.52	2.46	C+
6.51	6.51	2.45	C+
6.50	6.50	2.43	C+
6.49	6.49	2.42	C+
6.48	6.48	2.41	C+
6.47	6.47	2.39	C+
6.46	6.46	2.38	C+
6.45	6.45	2.37	C+
6.44	6.44	2.35	C+
6.43	6.43	2.34	C+
6.42	6.42	2.33	C+
6.41	6.41	2.31	C+
6.40	6.40	2.30	C+
6.38	6.39	2.29	С
6.37	6.37	2.28	С
6.36	6.36	2.27	С
6.34	6.35	2.26	С
6.33	6.33	2.25	С
6.32	6.32	2.24	С
6.30	6.31	2.23	С
6.29	6.29	2.22	С
6.28	6.28	2.21	С
6.26	6.27	2.20	С
6.25	6.25	2.19	С
6.24	6.24	2.18	С
6.22	6.23	2.17	С
6.21	6.21	2.16	С
6.20	6.20	2.15	С
6.18	6.19	2.14	С
6.17	6.17	2.13	С
6.16	6.16	2.12	С
6.14	6.15	2.11	С
6.13	6.13	2.10	С
6.12	6.12	2.09	С
6.10	6.11	2.08	С
6.09	6.09	2.07	С
6.08	6.08	2.06	С
6.06	6.07	2.05	С
6.05	6.05	2.04	С
6.04	6.04	2.03	С
6.02	6.03	2.02	С
6.01	6.01	2.01	С

5.98         5.99         1.99         C-           5.97         5.97         1.98         C-           5.96         5.96         1.97         C-           5.94         5.95         1.96         C-           5.92         5.93         1.95         C-           5.90         5.91         1.93         C-           5.89         5.89         1.92         C-           5.86         5.87         1.90         C-           5.86         5.87         1.90         C-           5.85         5.85         1.89         C-           5.84         5.84         1.88         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.77         5.77         1.83         C-           5.78         5.79         1.84         C-           5.74         5.75         1.81         C-           5.72         5.72         1.79         C-           5.70         5.71 </th <th>6.00</th> <th>6.00</th> <th>2.00</th> <th>С</th>	6.00	6.00	2.00	С
5.97         5.96         5.96         1.97         C-           5.94         5.95         1.96         C-         C-           5.93         5.93         1.95         C-         C-         S-93         5.93         1.95         C-         C-         S-92         5.92         1.94         C-         C-         S-85         5.92         1.94         C-         C-         S-86         5.92         1.94         C-         C-         S-85         5.89         5.92         1.94         C-         C-         S-86         5.89         5.89         1.92         C-         C-         S-86         5.88         5.89         1.92         C-         C-         S-84         5.84         1.88         C-         C-         S-84         5.84         1.88         C-         C-         S-83         1.87         C-         S-85         5.83         1.87         C-         S-7         5.77         1.83         C-         C-         S-7 <td></td> <td></td> <td></td> <td></td>				
5.96         5.96         1.97         C-           5.94         5.95         1.96         C-           5.93         5.93         1.95         C-           5.92         5.92         1.94         C-           5.80         5.91         1.93         C-           5.89         5.89         1.92         C-           5.88         5.88         1.91         C-           5.88         5.88         1.91         C-           5.86         5.87         1.90         C-           5.85         5.85         1.89         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.78         5.89         1.84         C-           5.78         5.79         1.84         C-           5.76         5.76         1.82         C-           5.74         5.75         1.81         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69 </td <td></td> <td></td> <td></td> <td></td>				
5.94         5.95         1.96         C-           5.93         5.93         1.95         C-           5.90         5.91         1.93         C-           5.89         5.89         1.92         C-           5.88         5.88         1.91         C-           5.86         5.87         1.90         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.77         5.77         1.83         C-           5.74         5.75         1.81         C-           5.74         5.75         1.81         C-           5.70         5.71         1.78         C-           5.69         5.69 </td <td></td> <td></td> <td></td> <td></td>				
5.93         5.93         1.95         C-           5.92         5.92         1.94         C-           5.80         5.91         1.93         C-           5.89         5.89         1.92         C-           5.88         5.88         1.91         C-           5.86         5.87         1.90         C-           5.86         5.87         1.90         C-           5.85         5.85         1.89         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.77         5.77         1.83         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.66         5.67 </td <td></td> <td></td> <td></td> <td></td>				
5.92         5.92         1.94         C-           5.90         5.91         1.93         C-           5.89         5.89         1.92         C-           5.88         5.88         1.91         C-           5.86         5.87         1.90         C-           5.85         5.85         1.89         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.78         5.79         1.83         C-           5.76         5.75         1.81         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.68         5.68         1.76         C-           5.65         5.65 </td <td></td> <td></td> <td></td> <td></td>				
5.90         5.91         1.93         C-           5.89         5.89         1.92         C-           5.86         5.87         1.90         C-           5.86         5.87         1.90         C-           5.86         5.85         1.89         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.77         5.77         1.83         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         1.77         C-           5.69         5.69         1.77         C-           5.66         5.67         1.75         C-           5.65         5.65         1.74         C-           5.61         5.61         1.71 </td <td></td> <td></td> <td></td> <td></td>				
5.89         5.89         1.92         C-           5.86         5.88         1.91         C-           5.86         5.87         1.90         C-           5.84         5.84         1.89         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.78         5.79         1.84         C-           5.76         5.76         1.82         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.68         5.68         1.76         C-           5.65         5.65         1.74         C-           5.64         5.64         1.73         C-           5.65         5.60 </td <td></td> <td></td> <td></td> <td></td>				
5.88         5.88         1.91         C-           5.86         5.87         1.90         C-           5.85         5.85         1.89         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.78         5.79         1.84         C-           5.77         5.77         1.83         C-           5.76         5.72         1.81         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.68         5.69         1.77         C-           5.65         5.65         1.74         C-           5.64         5.64         1.73         C-           5.65         5.65 </td <td></td> <td></td> <td></td> <td></td>				
5.86         5.87         1.90         C-           5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.78         5.77         1.83         C-           5.77         5.75         1.81         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.69         5.77         C-         5.68           5.69         1.77         C-           5.68         5.69         1.77         C-           5.68         5.68         1.76         C-           5.65         5.65         1.74         C-           5.62         5.63         1.72         C-           5.64         5.61         1.71         C-           5.59         5.59         1.68         D+           5.56         5.55         1.60 </td <td></td> <td></td> <td></td> <td></td>				
5.85         5.84         5.84         1.88         C-           5.82         5.83         1.87         C-           5.81         5.81         1.86         C-           5.80         5.80         1.85         C-           5.78         5.79         1.84         C-           5.77         5.77         1.83         C-           5.76         5.76         1.82         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.68         5.68         1.76         C-           5.68         5.65         1.74         C-           5.65         5.65         1.74         C-           5.62         5.63         1.72         C-           5.61         5.61         1.71         C-           5.59         5.59         1.68         D+           5.59         5.59         1.68         D+           5.55 </td <td></td> <td></td> <td></td> <td></td>				
5.84       5.84       1.88       C-         5.82       5.83       1.87       C-         5.81       5.81       1.86       C-         5.80       5.80       1.85       C-         5.78       5.79       1.84       C-         5.77       5.77       1.83       C-         5.76       5.76       1.82       C-         5.74       5.75       1.81       C-         5.73       5.73       1.80       C-         5.72       5.72       1.79       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.69       1.77       C-         5.68       5.68       1.76       C-         5.69       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.60       5.63       1.72       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.57       5.57       1.64       D+ <td></td> <td></td> <td></td> <td></td>				
5.82       5.83       1.87       C-         5.81       5.81       1.86       C-         5.80       5.80       1.85       C-         5.78       5.79       1.84       C-         5.77       5.77       1.83       C-         5.76       5.76       1.82       C-         5.74       5.75       1.81       C-         5.72       5.73       1.80       C-         5.72       5.73       1.80       C-         5.72       5.73       1.79       C-         5.70       5.71       1.78       C-         5.69       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.66       5.67       1.75       C-         5.65       5.65       1.74       C-         5.60       5.63       1.72       C-         5.60       5.63       1.72       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.55       5.56       1.62       D+ <td></td> <td></td> <td></td> <td></td>				
5.81       5.80       1.85       C-         5.78       5.79       1.84       C-         5.77       5.77       1.83       C-         5.76       5.76       1.82       C-         5.74       5.75       1.81       C-         5.73       5.73       1.80       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.65       5.65       1.74       C-         5.62       5.63       1.72       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.57       5.57       1.64       D+         5.53       5.55       1.60       D+         5.54       5.54       1.58       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.55       5.55       1.50       D+         5.54       5.54       1.58       D+         5.55       5.55       1.50       D+ <td></td> <td></td> <td></td> <td></td>				
5.80       5.80       1.85       C-         5.78       5.79       1.84       C-         5.77       5.77       1.83       C-         5.76       5.76       1.82       C-         5.74       5.75       1.81       C-         5.73       5.73       1.80       C-         5.72       5.72       1.79       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.69       1.77       C-         5.68       5.68       1.76       C-         5.66       5.67       1.75       C-         5.66       5.67       1.74       C-         5.64       5.64       1.73       C-         5.65       5.63       1.72       C-         5.61       5.61       1.71       C-         5.59       5.59       1.68       D+         5.57       5.59       1.68       D+         5.55       5.55       1.60       D+         5.55       5.55       1.64       D+         5.53       5.53       1.56       D+ <td></td> <td></td> <td></td> <td></td>				
5.78         5.79         1.84         C-           5.77         5.77         1.83         C-           5.76         5.76         1.82         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.89         5.69         1.77         C-           5.88         5.68         1.76         C-           5.66         5.67         1.75         C-           5.65         5.65         1.74         C-           5.64         5.64         1.73         C-           5.62         5.63         1.72         C-           5.61         5.61         1.71         C-           5.59         5.59         1.68         D+           5.57         5.59         1.68         D+           5.57         5.57         1.64         D+           5.55         5.55         1.60         D+           5.53         5.53         1.56         D+           5.53         5.53         1.56         D+           5.50         5.50 </td <td></td> <td></td> <td></td> <td></td>				
5.77       5.76       1.82       C-         5.76       5.76       1.82       C-         5.74       5.75       1.81       C-         5.73       5.73       1.80       C-         5.72       5.72       1.79       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.66       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.57       5.57       1.64       D+         5.56       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.50       5.50       1.50       D+ <td></td> <td></td> <td></td> <td></td>				
5.76         5.76         1.82         C-           5.74         5.75         1.81         C-           5.73         5.73         1.80         C-           5.72         5.72         1.79         C-           5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.68         5.68         1.76         C-           5.66         5.67         1.75         C-           5.65         5.65         1.74         C-           5.64         5.64         1.73         C-           5.62         5.63         1.72         C-           5.61         5.61         1.71         C-           5.60         5.60         1.70         C-           5.59         5.59         1.68         D+           5.57         5.57         1.64         D+           5.56         5.56         1.62         D+           5.55         5.55         1.60         D+           5.53         5.53         1.56         D+           5.52         5.52         1.54         D+           5.50         5.50 </td <td></td> <td></td> <td></td> <td></td>				
5.74       5.75       1.81       C-         5.73       5.73       1.80       C-         5.72       5.72       1.79       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.60       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.52       5.52       1.54       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+ <td></td> <td></td> <td></td> <td></td>				
5.73       5.73       1.80       C-         5.72       5.72       1.79       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.68       5.68       1.75       C-         5.60       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.46       5.46       1.42       D+ <td>5.76</td> <td>5.76</td> <td></td> <td></td>	5.76	5.76		
5.72       5.72       1.79       C-         5.70       5.71       1.78       C-         5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.66       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.52       5.52       1.54       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.46       1.42       D+		5.75		
5.70         5.71         1.78         C-           5.69         5.69         1.77         C-           5.68         5.68         1.76         C-           5.66         5.67         1.75         C-           5.65         5.65         1.74         C-           5.64         5.64         1.73         C-           5.62         5.63         1.72         C-           5.61         5.61         1.71         C-           5.60         5.60         1.70         C-           5.59         5.59         1.68         D+           5.58         5.58         1.66         D+           5.57         5.57         1.64         D+           5.56         5.56         1.62         D+           5.55         5.55         1.60         D+           5.54         5.54         1.58         D+           5.53         5.53         1.56         D+           5.51         5.51         1.52         D+           5.50         5.50         1.50         D+           5.49         5.49         1.48         D+           5.46         5.46 </td <td>5.73</td> <td>5.73</td> <td>1.80</td> <td>C-</td>	5.73	5.73	1.80	C-
5.69       5.69       1.77       C-         5.68       5.68       1.76       C-         5.66       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.46       5.46       1.42       D+	5.72	5.72	1.79	
5.68       5.68       1.76       C-         5.66       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.46       5.46       1.42       D+	5.70	5.71	1.78	C-
5.66       5.67       1.75       C-         5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.46       5.46       1.42       D+	5.69	5.69	1.77	
5.65       5.65       1.74       C-         5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.47       5.47       1.44       D+         5.46       5.46       1.42       D+	5.68	5.68	1.76	C-
5.64       5.64       1.73       C-         5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.46       5.46       1.42       D+	5.66	5.67	1.75	C-
5.62       5.63       1.72       C-         5.61       5.61       1.71       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.46       1.42       D+	5.65	5.65	1.74	C-
5.61       5.60       1.70       C-         5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       1.44       D+       D+         5.46       5.46       1.42       D+	5.64	5.64	1.73	C-
5.60       5.60       1.70       C-         5.59       5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.46       1.42       D+	5.62	5.63	1.72	C-
5.59       1.68       D+         5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       1.48       D+         5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       5.46       1.42       D+	5.61	5.61		
5.58       5.58       1.66       D+         5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       1.48       D+         5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.60	5.60	1.70	C-
5.57       5.57       1.64       D+         5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.59	5.59	1.68	D+
5.56       5.56       1.62       D+         5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.58	5.58	1.66	D+
5.55       5.55       1.60       D+         5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.57	5.57	1.64	D+
5.54       5.54       1.58       D+         5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.56	5.56	1.62	D+
5.53       5.53       1.56       D+         5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.55	5.55	1.60	D+
5.52       5.52       1.54       D+         5.51       5.51       1.52       D+         5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.54	5.54	1.58	D+
5.51     5.51     1.52     D+       5.50     5.50     1.50     D+       5.49     1.48     D+       5.48     5.48     1.46     D+       5.47     5.47     1.44     D+       5.46     5.46     1.42     D+	5.53	5.53	1.56	D+
5.50       5.50       1.50       D+         5.49       5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       1.42       D+	5.52	5.52	1.54	D+
5.49       1.48       D+         5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       5.46       1.42       D+	5.51	5.51	1.52	D+
5.48       5.48       1.46       D+         5.47       5.47       1.44       D+         5.46       5.46       1.42       D+	5.50	5.50	1.50	D+
5.47       5.47       1.44       D+         5.46       5.46       1.42       D+	5.49	5.49	1.48	D+
5.46 5.46 D+	5.48	5.48	1.46	D+
	5.47	5.47	1.44	D+
5.45 1.40 D+	5.46	5.46	1.42	D+
	5.45	5.45	1.40	D+

5.44	5.44	1.38	D+
5.43	5.43	1.36	D+
5.42	5.42	1.34	D+
5.41	5.41	1.32	D+
5.40	5.40	1.30	D+
5.36	5.39	1.29	D
5.33	5.35	1.28	D
5.30	5.32	1.27	D
5.27	5.29	1.26	D
5.25	5.26	1.25	D
5.21	5.23	1.24	D
5.18	5.20	1.23	D
5.15	5.17	1.22	D
5.12	5.14	1.21	D
5.09	5.11	1.20	D
5.06	5.08	1.19	D
5.03	5.05	1.18	D
5.00	5.02	1.17	D
4.97	4.99	1.16	D
4.94	4.96	1.15	D
4.91	4.93	1.14	D
4.88	4.90	1.13	D
4.85	4.87	1.12	D
4.82	4.84	1.11	D
4.79	4.81	1.10	D
4.76	4.78	1.09	D
4.73	4.75	1.08	D
4.70	4.72	1.07	D
4.67	4.69	1.06	D
4.64	4.66	1.05	D
4.61	4.63	1.04	D
4.58	4.60	1.03	D
4.55	4.57	1.02	D
4.51	4.54	1.01	D
4.50	4.50	1.00	D
0	4.49	0	F