**Grading**

The maximum grade for module 2 is 14:

* 7 from the midterm exam (5 for the script, 2 for the theory, but it is calculated as 10 for the script, 4 for the theory and eventually divided by 2)
* 7 for the final exam.

If you passed the theory (theory >= 0.6/2) you don’t need to repeat it, unless you want to (try to) increase your mark.

If you passed the script (tot\_script >= 2.5/5) you don’t need to repeat it, unless you want to (try to) increase your mark.

If you want to know the detailed marks (based on rubrics) both for theory and script, I can share the complete file, but I need you to grant me your permission. Alternatively, I can send to each of you your detailed marks.

Please fill in the grade table (see below) and send it to me by Tue 10/02/2020. If possible, a single table including everybody. If your row in the table is empty, I will assume you don’t mean to take the exam for module 2 on the 14/02/2020.

Rubric for the theory with max points and weights.

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| --- | --- | --- | --- | --- | --- | --- |
| max points |  | Insufficient (0.0) | Fair (0.3-0.4) | Good (0.5-0.6) | Very Good (0.7-0.8) | Excellent (0.9-1.0) |
| 2 | KNOWLEDGE & COMPREHENSION  Fact reporting. Description of subject matter. | Mostly wrong/absent. Major mistakes. Unorganised. No understanding | Some missing answers. Some correct. Few major mistakes. Several inaccuracies. Unorganised and/or superficial. Limited understanding | Minimum acceptable work. Minor mistakes. Some inaccuracies. Unorganised and/or superficial. Some understanding. | Adequate level of work. It could be improved. Few minor mistakes. Few inaccuracies. Organised and overall accurate. Good level of understanding. | Exemplary and complete work. No mistakes and inaccuracies. Well-organised and very accurate. Excellent understanding. |
| 1 | ANALYSIS  ability to connect the different parts | Mostly wrong/absent. No connection among different parts or several major mistakes. | Some connections. Few major mistakes. Several minor mistakes. | Acceptable ability to connect different parts. Minor mistakes. | Adequate level of work. It could be improved. Few minor mistakes. Good level of connection | Exemplary work. No mistakes. All parts are connected. |
| 1 | INTERPRETATION&EVALUATION  Interpretation of facts. Ability to critically discuss and interpret facts (i.e. the usage of scoring matrices in sequence alignments) | Mostly wrong/absent. No interpretation of facts or several major mistakes. | Elementary interpretation of fact. Very basic/superficial discussion of facts. | Acceptable interpretation and discussion of facts, though could be sometime superficial. Some minor mistakes | Adequate level of interpretation and discussion of facts. Few minor mistakes. | Exemplary ability of discussing and interpreting facts. No mistakes. |

Rubric for the script with max points and weights.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **max points** | **Criteria** | **Sub-criteria** | **Insufficient (0.0)** | **Fair (0.3-0.4)** | **Good (0.5-0.6)** | **Very Good (0.7-0.8)** | **Excellent (0.9-1.0)** |
| **0.8** | **Ability to demonstrate design solution** | Construct correct pseudocode | Unable to construct | Able to construct but with wrong logic | Able to construct correctly but with missing or unnecessary elements | Able to construct correctly and use proper elements | Able to construct correctly, use proper elements, documentation and structure |
| **1,2** | **Ability to analyse problem and identify requirements** | Identify correct input / output | Unable to identify any input and output | Able to identify only one input or output | Able to identify correctly some input and output | Able to identify correctly all input and output | Able to identify correctly all input and output and manage them optimally |
| **1.5** | **Ability to apply required data type or data structure** | Appropriate choice of variable names or data structure | Unable to identify/use required data type or data structure | Able to identify/use required data type or data structure but does not apply correctly | Able to apply required data type or data structure but does not produce correct results | Able to apply required data type or data structure and produce partially correct / partial results | Able to apply required data type or data structure and produce correct results |
| **1.5** | **Ability to apply required flow control structure** | Correct choice of sequential, selection or repetition control flow structure | Unable to identify/use required control structure | Able to identify required control but does not apply correctly | Able to partially identify/apply required control structure. May not not produce correct results | Able to apply required control structure and produce partially correct/partial results | Able to apply required control structure and produce correct results |
| **0.5** | **Ability to optimise** | Correct choice of optimal /general elements | Unable to use optimal elements and result is wrong | Mostly unable to use optimal elements but result is correct | Use some optimal elements and result is correct | Use mostly optimal elements | Program is fully optimised |
| **1** | **Ability to modularise** | Construct modularised programs | Unable to modularise | Able to use one or a few modularised elements, but not to write a modularised program | Able to write modularised programs, but with problems in the structure and/or functioning | Able to write modularised programs | Able to write fully modularised programs. Modularisation is well managed/structured |
| **1.2** | **Ability to run/debug** | Free from syntax, logic, and runtime errors | Unable to run program | Able to run program but have several logic errors | Able to run program but have one or a few logic errors | Able to run program correctly without any logic error and display partially appropriate output | Able to run program correctly without any logic error and display appropriate output |
| **0.2** | **Ability to produce readable program** | Comment / Description | No documentation | Documentation is simple comment in code | Documentation is simple comments embedded in code and header describing input and output | Documentation is detailed comments and/or header that is useful in understanding the code. Modularised elements display documentation | Documentation is well- written and clearly explains what each part/element of the code is accomplishing. The header contains info about the developer, the code release and updates, licence, etc. |
| 0.6 | Indentation / Naming Convention | Unable to organise the code | The code is poorly organised and very difficult to read | The code is readable only by a person who already knows its purpose | The code is fairly easy to read | The code is extremely well organized and easy to follow |
| 1.5 | **Ability to complete exercise** | Program is complete (input/action(s)/output) | Unable to collect the input | The input is collected but it is not used | The input is collected and used, but output is not generated | The input is collected and used, but the program does not display correct results | The input is collected and used, and correct output is generated |

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| --- | --- | --- | --- | --- | --- | --- |
| **name** | **surname** | **script**  **(max 10)** | **theory (max 4)** | **grade = (script + theory)/2 (max 7)** | **comments** | **I will repeat the theory (T)**  **I will repeat the script (S)**  **I will repeat both (T+S)**  **I’m happy with the grade (OK)** |
| Daniele | Lucarelli | 3 | 2,5 | 2,75 |  |  |
| David | Abbondandolo | 8,07 | 1,4 | 4,735 | no script on paper |  |
| Gaia | Cervi | 9,46 | 3,6 | 6,53 |  |  |
| Naiara | Landeta Gonzalez | 9,8 | 1,2 | 5,5 | no script on paper |  |
| Stefano | Roncelli | 8,88 | 4 | 6,44 |  |  |
| Saul | Pierotti | 10,88 | 4 | 7,44 |  |  |
| Ilaria | Pirona | 2,2 | 1,6 | 1,9 | no script on GitHub |  |
| Marcello | Zanghieri | 10,26 | 0 | 10,26/2 = 5,13 | need to discuss the theory answers |  |
| Rosaria | Tornisiello | 7,62 | 2,9 | 5,26 |  |  |
| Sahar | heidaribakavoli | 6,88 | 1,6 | 4,24 |  |  |
| Thomas | Isaac | 9,26 | 1,9 | 5,58 |  |  |
| Biagio | Iacolare | 7,77 | 3,3 | 5,535 |  |  |
| Andrea | Sambugaro | 6,96 | 2,9 | 4,93 |  |  |
| Fabiana | Patalano | 6,96 | 3,9 | 5,43 |  |  |
| Davide | Lisi | 8,27 | 3,7 | 5,985 |  |  |
| Fidan | Gurbanova | 6,19 | 0 | 6,19/2 = 3,095 | no script on GitHub |  |
| Giorgia | Gandolfi | 8,56 | 2,8 | 5,68 |  |  |
| Oscar | San José Rodriguez | 9,18 | 1,2 | 5,19 |  |  |
| Tommaso | Becchi | 9,62 | 1,2 | 5,41 |  |  |
| Alessia | Campo | 0,32 | 2,6 | 1,46 | no script |  |
| Manuel | Sánchez Diaz | 10,01 | 4 | 7,005 |  |  |
| Alessandro | Caula | 7,08 | 2 | 4,54 |  |  |
| Aigerim | Rymbekova | 7,76 | 3,8 | 5,78 |  |  |
| Ana Cristina | González Sànchez | 6,47 | 2,3 | 4,385 |  |  |
| Alessandro | Reggiani | 8,6 | 2,5 | 5,55 |  |  |
| Lorenzo | Pedroni | 9,5 | 4 | 6,75 |  |  |
| Federica | Brando | 10,26 | 1,7 | 5,98 |  |  |
| Luca | Menestrina | 7,09 | 2,8 | 4,945 |  |  |
| Immanuela Antigone | Engländer | 0,8 | 2,4 | 1,6 |  |  |