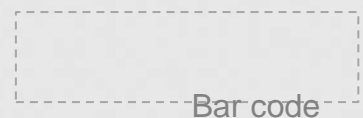


**Tutorial letter 104/2/2017**  
**Introduction to Programming II**

**COS1512**  
**Semester 2**

**School of Computing**

Examination Tutorial Letter



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## 1. PURPOSE OF THIS LETTER

Dear Student,

This tutorial letter contains the information pertaining to the examination. Please make sure that you keep this letter at hand and read it often while preparing for the examination.

## 2. TUTORIAL MATERIAL UPLOADED

All the study material except the prescribed text book has been uploaded on our web learning portal (myUnisa). Please make sure that you visit myUnisa in order to download the material that has been uploaded. Since this module is offered mostly online, you will only receive Tutorial Letter 101 by post. Please click the following link to access myUnisa (<https://my.unisa.ac.za>.) and make sure that you download all the tutorial letters available under Additional Resources for COS1512 on myUnisa. The following tutorial matter has been distributed to date:

DISK 2017	Prescribed software
COS1512/101/3/2017	First tutorial letter: General information, study programme, exam admission and assignments
COS1512/102/2/2017	Study Guide
COS1512/103/2/2017	How to create an assignment as a PDF file
COS1512/201/2/2017	Solution to Assignment 1
COS1512/202/2/2017	Solution to Assignment 2 (will be made available soon)
COS1512/104/2/2017	This letter: Examination Tutorial Letter

## 3. EXAMINATION ADMISSION

The university will inform you whether you obtained examination admission or not. It will also provide you with details of the examination (date, time and the venue). It is your responsibility to make sure that the date, time and examination centre are correct. If you need any further information or details, please contact UNISA's Examination department. You can contact the Examination department on the following contact details:

College of Agriculture & Environmental Sciences AND College of Science, Engineering and Technology			
M Vosloo	General examination enquiries	aegrotats@unisa.ac.za exams@unisa.ac.za examdisabled@unisa.ac.za examadmission@unisa.ac.za examinternational@unisa.ac.za remark@unisa.ac.za purchasescript@unisa.ac.za	011 471 2928
B Molefe			011 471 3121
Examination Venue and Invigilation Administration			
IT Zulu	General student enquiries in respect of examination venues and examination invigilators.	invigilationandexamvenues@unisa.ac.za	011 471 3174
ZB Makhabane			011 471 2375

Examination admission will be based on whether or not you have submitted your assignment before

the cut-off date which has been specified. If you have problems with examination admission, please make sure that you contact the Examination department. Please note that lecturers are not responsible for examination queries.

If you have previously written a UNISA examination, you are most probably familiar with the arrangements concerning examinations. We discuss some of these arrangements below to increase your chances of feeling at ease when you write your examinations.

- *Supplementary examination:* The semester mark will not be taken into account in the supplementary examination mark.
- *Examination centre:* Upon registration, you chose a particular examination centre. Unless you have explicitly changed your examination centre with the Examination Department and have received confirmation that it has been changed, you should **NOT** go to any other examination centre to write your examinations. Please remember that UNISA distributes the examination papers to the examination centres that students indicated during registration. If a student goes to the wrong centre, there will **NOT** be an examination paper available for him or her.
- *Examination date & time:* It is **YOUR** responsibility to make sure of the correct examination date and time. UNISA sends out letters to all students who have gained admission to the examination. Unfortunately the postal system is not always reliable and not all of these letters reach their destinations. The dates are also published on *myUNISA*. It is **YOUR** responsibility to make sure of the correct and final date, so please consult the *myUNISA* website. Alternatively, you may also phone UNISA's Examination Department.
- *Missing an examination:* Every year we get students who have 'misread' their timetable and then go to the examination centre unprepared for that day's examination paper, but prepared for another paper. This is disastrous and there is **NOTHING** we can do to help you. If you misread your examination date and time and as a result fail a particular paper, it might set your studies back another year.
- *Examination admission:* You will be informed by the University about the status of your examination admission, as well as the date, time and venue of the examination. Please note the following concerning exam admission:

A student taking COS1512 in the **first semester** must submit at least one assignment **BEFORE** 8 September 2017.

You will **NOT** be granted examination admission if you do not meet the above requirements.

## 4. EXAMINATION SYLLABUS

The exam paper covers all the work which has been outlined in tutorial letter 101 and specifically tests the outcomes specified in Tutorial Letter 101. You need to use the prescribed book (Savitch 7<sup>th</sup>, 8<sup>th</sup> or 9<sup>th</sup> edition) as well as all COS1512 tutorial letters for your examination preparation.

Please note that we test all the work.

## 5 PREPARATION FOR THE EXAMINATION

Use the following guidelines when preparing for the COS1512 examination:

- Work through all the study material for COS1512.
- Work through all your assignments and tutorial letters providing solutions to the assignments. **We included additional notes in the solutions that should assist you in understanding the work.**
- Do not ignore assignment 3. Assignment 3 is self-assessment. Students frequently fail the COS1512 exam because they have not mastered the last part of the study material, which is

covered by assignment 3.

- May/June and October/November 2015 exam papers and May/June and October/November 2016 exam papers are available on the web. Work through these papers, i.e. do the questions in the papers. The questions will test your knowledge and understanding of the subject. Reading through the study material will not be adequate preparation for the examination – you have to practice implementing code after you have studied the study material.
- **NOTE:** When you work through the old exam papers, write out the answers completely. You have to **practice writing code**, as you don't have a compiler in the exam to point out compiler errors.
- Although examination questions may be similar to the assignment questions, they are new questions that you have not seen before. Studying the assignments only will therefore not be adequate preparation to pass the examination, neither will studying only old exam papers provide adequate preparation.

## 6 FORMAT OF THE EXAMINATION PAPER

Please note the following:

- The examination consists of a single **2-hour** paper.
- The total for the examination paper is 75 marks.
- The examination is a **CLOSED** book examination, i.e. you are not allowed to bring any notes or material to the examination centre.
- No calculators are allowed during the examination.
- There will be no multiple choice questions.
- The examination will be written on paper in an answer book.
- You may answer in pencil if you prefer to do so.
- **Note that some questions may cover more than one learning outcome or topic.**
- The paper **MAY NOT BE REMOVED FROM THE EXAMINATION ROOM**. It remains the property of UNISA.

Your final mark for this module is made up of a semester mark (20%) and an examination mark (80%). The final semester mark is calculated based on your performance in assignments throughout the semester.

The weights allocated to the assignments for COS1512 are summarized as follows:

Assignment number	Weight
1 (compulsory)	20%
2	80%
3	0% (self-assessment)

To explain how this will work, assume that a student receives 75% for assignment 1, and 80% for assignment 2. His/her year mark will then be calculated as follows:

Assignment	Mark received (Percentage)	Weight	Contribution to semester mark	
			Mark(%) * Weight(%)	Contribution
1	75%	20%	$75/100 * 20/100$	0.15
2	80%	80%	$80/100 * 80/100$	0.64
			Total:	0.79

When the total of 0.79 is converted to 20% of the final mark, it will be 15.8%, thus the student's semester mark will be 15.8%. The examination will form the remaining 80% of the final mark for the module. Note that the semester mark will not form part of the final mark for the supplementary examination.

The following formula will be used to calculate your final semester mark:

**Semester mark (out of 100) x 20% + Examination mark (out of 100) x 80%**

## 7 LAYOUT OF THE EXAMINATION PAPER

This section provides estimates of the marks allocated per question to different sections of the work. You will need to know all the work which has been outlined in Tutorial Letter 101. The mark allocation will be approximately as follows:

C strings: +/- 4 marks  
 Vectors: +/- 6 marks  
 Recursion: +/- 4 marks  
 Pointers: +/- 7 marks  
 Class definition and implementation: +/- 23 marks  
 File processing: +/- 8 marks  
 Inheritance: +/- 14 marks  
 Templates: +/- 9 marks

Please note that we test all the work. This outline points out the most important aspects tested in each question. **Note that a question may combine one or more concepts.**

## 8 STRATEGY FOR WRITING THE EXAMINATION

When writing an examination, the following guidelines are vital:

- When you receive your paper, please ensure that your paper is complete, i.e. all pages are printed and none of them is BLANK (the paper ends with a copyright sign ©). If there is any mistake in this regard, immediately report it to the invigilator who will give you another paper. Remember, you must be allocated additional time if there is any external problem.
- Read the instructions and follow them.
- Read the exam paper calmly and properly before you start answering the questions.
- Manage your time.
- Stay calm – the best way to accomplish this is to be as well prepared as possible! It also helps to take some deep breaths and sip a little water – do take a bottle of water with you.
- Do not waste time on a question you struggle with. Leave the question and continue with the next one.
- If you have spare time, first check that you have done all the questions, then address incomplete questions.
- Ensure that your student number and course code are correct.
- Take mark allocation into consideration when answering a question - for example if the question counts 4 do not spend half an hour on answering it.
- Read the answers again after completing the examination.
- Make sure that you have completed all the answers before submitting your answer book or examination script.

**Finally:**

I wish you all the best for the exam. I hope you pass with a good mark!

Dr MA Schoeman

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