Tutorial Letter 101/0/2023

Introduction to Programming I

COS1511

Year Module: 2023

School of Computing: Computer Science Department

IMPORTANT INFORMATION

Please register on myUnisa, activate your myLife e-mail account and make sure that you have regular access to the myUnisa module website, COS1511-2023-Y, as well as your group website.

Note: This is a fully online module. It is, therefore, only available on myUnisa.

BARCODE

Define tomorrow.

UNISA university of south africa

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1 INTRODUCTION

Dear Student

Unisa is a comprehensive open distance e-learning (CODeL) higher education institution. The comprehensiveness of our curricula encapsulates a range of offerings, from strictly vocational to strictly academic certificates, diplomas and degrees. Unisa's "openness" and its distance eLearning character result in many students registering at Unisa who may not have had an opportunity to enrol in higher education. Our CODeL character implies that our programmes are carefully planned and structured to ensure success for students ranging from the under-prepared but with potential to the sufficiently prepared.

Teaching and learning in a CODeL context involve multiple modes of delivery ranging from blended learning to fully online. As a default position, all post graduate programmes are offered fully online with no printed study materials, while undergraduate programmes are offered in a blended mode of delivery where printed study materials are augmented with online teaching and learning via the learner management system – myUnisa. In some instances, undergraduate programmes are offered fully online as well.

Furthermore, our programmes are aligned with the vision, mission and values of the University. Unisa's commitment to serve humanity and shape futures combined with a clear appreciation of our location on the African continent, Unisa's graduates have distinctive graduate qualities which include

- independent, resilient, responsible and caring citizens who are able to fulfil and serve in multiple roles in their immediate and future local, national and global communities
- having a critical understanding of their location on the African continent with its histories, challenges and potential in relation to globally diverse contexts
- the ability to critically analyse and evaluate the credibility and usefulness of information and data from multiple sources in a globalised world with its ever-increasing information and data flows and competing worldviews
- how to apply their discipline-specific knowledges competently, ethically and creatively to solve real-life problems
- an awareness of their own learning and developmental needs and future potential

This module is fully online.

COS1511 is offered online (all information is available via the internet), we use myUnisa as our virtual campus. This is an online system that is used to administer, document and deliver educational material to you and support engagement with you. Look out for information from your lecturer as well as other Unisa platforms to determine how to access the virtual myUnisa module site. Information on the tools that will be available to engage with the lecturer and fellow students to support your learning will also be communicated via various platforms.

You are encouraged to log into the module site - COS1511-23-Y on myUnisa regularly (that is, at least twice per week).

- COS1511 deals with the basic concepts of programming and the design of algorithms, using the programming language C++.
- COS1512 is a further introductory course in C++programming where object-oriented programming is introduced. COS1511 is a pre-requisite for COS1512.
- COS1521 provides a general background to computer systems.
- INF1511 is an introduction to visual programming, and
- COS1501 introduces the mathematics relevant to Computer Science.

Depending on your degree stream the advanced modules may or may not apply to you.

All the above modules are year modules and you will need at least 8 hours per week for each, especially for the programming modules. **Programming is extremely time-consuming and we do not recommend that you enroll for more than one programming module simultaneously.**

Because this is a fully online module, you will need to use myUnisa to study and complete the learning activities for this module. Visit the website for COS1511-23-Y on myUnisa frequently. The website for your module is COS1511-2023-Y. You will find the study guide on myUnisa under Official Study Material, as this module does not have a textbook.

We wish you every success with your studies!

2 MODULE OVERVIEW

2.1 Purpose

The purpose of the module is to introduce students to programming and to cover the fundamentals of:

- data and control structures;
- techniques for problem solving and algorithm design;
- input and output of data from and to the standard input/output streams;
- data types and structures (i.e., floating point, integer, character, string, Boolean, one and two-dimensional arrays;
- C++ decision and iteration structures, (i.e. `if`, `while`, `for`, `switch` and `do..while`);
- functions with both reference and value parameters, as well as `struct`s.

2.2 Outcomes

For this module, you will have to master several outcomes:

Specific outcome 1

You should be able to design a logical solution to a simple programming problem, making appropriate assumptions.

Assessment criteria

Through assignments and an examination at the end of the semester, you are assessed on your ability to interpret a problem description that specifies the requirements of a program; as well as identify all steps necessary to solve a problem and order the steps in the correct logical sequence.

Specific outcome 2

You should be able to write programs in C++, demonstrating the principles of good programming practices.

Assessment criteria

In the form of exercises in your study guide, written assignments (including working computer programs) and examinations, you are assessed on your ability to:

- Write functions and use them in a program;
- Use control structures to implement a solution to a programming problem;
- Define and use data types and data structures to implement the solution to a programming problem;
- Recognize / locate errors in the code and correct them;
- Provide code for a small to medium sized working program (not exceeding 200 lines of code).

Specific outcome 3

You should be able to demonstrate an understanding of the theory underlying the basic programming concepts.

Assessment criteria

In the form of exercises in your study guide, written assignments (including working computer programs) and examinations, you are assessed on your ability to:

- Apply good programming principles;
- Use the different programming constructs appropriately and correctly, in order to implement a solution to a programming problem;
- Apply the concepts of C++ required for beginner level computer programming.

Specific outcome 4

You should be able to successfully locate errors in a fragment of code; demonstrating an understanding of the syntax of the underlying programming language.

Assessment criteria

In the form of tasks in the study material, written assignments (including computer programs) and examinations, you will be assessed on your ability to

- locate syntactic and logical errors in a given beginner level computer program;

- locate syntactic and logical errors in your own written computer programs, in order to implement a correct solution to a programming problem.

Specific outcome 5
You can successfully construct a correct programming solution to a given problem, demonstrating understanding of the stated problem and implementing the solution in a structured format.

Assessment criteria
In the form of tasks in study material, written assignments (including computer programs) and examinations, you will be assessed on your ability to

- analyse the problem and identify the necessary steps in order to produce the solution;
- design a structured solution to the problem, making your own decisions of which programming constructs should be used to reach the solution;
- apply the different programming constructs appropriately and correctly to successfully implement a programming solution to the problem.

Specific outcome 6
You can demonstrate logical reasoning and analytical skills through the correct use of supplied computer software to produce the solution to a stated problem.

Assessment criteria
In the form of tasks in study material, written assignments (including computer programs) and examinations, you will be assessed on your ability to

- install the supplied compiler for the procedural programming language;
- write, compile and run computer programs using the supplied software;
- supply solutions to written and compiled programs after successfully running programs

3 CURRICULUM TRANSFORMATION

Unisa has implemented a transformation charter, in terms of which the university has placed curriculum transformation high on the teaching and learning agenda. Curriculum transformation includes student-centred scholarship, the pedagogical renewal of teaching and assessment practices, the scholarship of teaching and learning, and the infusion of African epistemologies and philosophies. All of these will be phased in at both programme and module levels, and as a result of this you will notice a marked change in the teaching and learning strategy implemented by Unisa, together with the way in which the content is conceptualised in your modules. We encourage you to embrace these changes during your studies at Unisa in a responsive way within the framework of transformation.

4 LECTURER(S) AND CONTACT DETAILS

4.1 Lecturer(s)

The primary lecturer for this module is Ms Promise Mvelase
Department: School of Computing - Computer Science
Telephone: 011 471 2511
E-mail: mvelap@unisa.ac.za

Whenever you contact a lecturer via e-mail, please include your student number and module code in the subject line to enable the lecturer to help you more effectively.

4.2 Department

Should you have difficulty in contacting your lecturers, you may phone the general number of the School of Computing. Your message will then be conveyed to the relevant lecturer. Remember to provide your student number together with the relevant module code. You can contact the Department of Computer Science as follows:
Telephone number: 011 670 9200
E-mail: computing@unisa.ac.za

4.3 University

Contact addresses of the various administrative departments appear on the Unisa website: http://www.unisa.ac.za/sites/corporate/default/Contact-us/Student-enquiries.

Please include the student number in all correspondence.

5 RESOURCES

The Study Guide is available on myUnisa. Since this module's delivery is fully online you will not receive a physical study guide.

5.1 Prescribed software

The software for this module is open source. In other words, you are free to download, install, copy and distribute it under the relevant open-source license. Open-source software for modules in the School of Computing is available for download from the school's Osprey server: http://osprey.unisa.ac.za/download/Disk/Disk_2023/. From the home page, click on the SoC Registered Students link. Then, if you haven't done so already, select your modules and click on the Submit button. You should then see a link to the Open-source software repository under

The prescribed software for this module is Code::Blocks 20.03. We will refer to the software as Code::Blocks. Code::Blocks includes the MinGW C++ compiler and an Integrated Development Environment (IDE), which we use to create program files.

Drawing Variable Diagrams Tutorial

In addition, you can download the Drawing Variable Diagrams Tutorial on Osprey server: http://osprey.unisa.ac.za/download/Disk/Disk 2023/. The drawing variable is intended to show you how to draw variable diagrams. It is an interactive tutorial that will show you how to draw the variable diagrams illustrated in the Study Guide.

In the Study Guide for COS1511, the tutor icon shown here  will indicate that you should load the Drawing Variable Diagrams Tutorial (with the corresponding activity or sub-activity number) and watch the effect of the program statements on the variables. We strongly encourage you to use the Drawing Variable Diagrams Tutorial, since research has shown that students who draw their own variable diagrams to understand or debug programs, achieve better results.

5.2 Recommended book(s)

You do not have to consult any textbooks. However, those of you who want to read further may consider any of the books listed below. (They are not necessarily available in the Unisa library.)

- HM Deitel and PJ Deitel. C++ How to Program, 6th edition. Prentice Hall, 2008.
- Walter Savitch. Problem solving with C++, 10th edition. Addison Wesley, 2018.

Recommended books can be requested online, via the Library catalogue.

5.3 Electronic reserves (e-reserves)

E-reserves can be downloaded from the library catalogue. More information is available at: http://libguides.unisa.ac.za/request/request

5.4 Library services and resources

The Unisa library offers a range of information services and resources:

- For brief information, go to https://www.unisa.ac.za/library/libatglance
- For more detailed library information, go to http://www.unisa.ac.za/sites/corporate/default/Library
- For research support and services (e.g. the services offered by personal librarians and the request a literature search service offered by the information search librarians), go to http://www.unisa.ac.za/sites/corporate/default/Library/Library-services/Research-support
- For library training for undergraduate students, go to https://www.unisa.ac.za/sites/corporate/default/Library/Library-services/Training

The library has created numerous library guides, available at http://libguides.unisa.ac.za

Recommended guides:

- Request and find library material/download recommended material: http://libguides.unisa.ac.za/request/request

- Postgraduate information services: http://libguides.unisa.ac.za/request/postgrad
- Finding and using library resources and tools: http://libguides.unisa.ac.za/Research_skills
- Frequently asked questions about the library: http://libguides.unisa.ac.za/ask
- Services to students living with disabilities: http://libguides.unisa.ac.za/disability
- A–Z of library databases: https://libguides.unisa.ac.za/az.php

Important contact information:

- Ask a librarian: https://libguides.unisa.ac.za/ask
- Technical problems encountered in accessing library online services: Lib-help@unisa.ac.za
- General library-related queries: Library-enquiries@unisa.ac.za
- Queries related to library fines and payments: Library-fines@unisa.ac.za
- Social media channels: Facebook: UnisaLibrary and Twitter: @UnisaLibrary

6 STUDENT SUPPORT SERVICES

The *Study @ Unisa* brochure is available on myUnisa: www.unisa.ac.za/brochures/studies

This brochure contains important information and guidelines for successful studies through Unisa.

If you need assistance with regard to the myModules system, you are welcome to use the following contact details:

- Toll-free landline: 0800 00 1870 (Select option 07 for myModules)
- E-mail: mymodules22@unisa.ac.za or myUnisaHelp@unisa.ac.za

You can access and view short videos on topics such as how to view your calendar, how to access module content, how to view announcements for modules, how to submit assessment and how to participate in forum activities via the following link: https://dtls-qa.unisa.ac.za/course/view.php?id=32130

Registered Unisa students get a free myLife e-mail account. Important information, notices and updates are sent exclusively to this account. Please note that it can take up to 24 hours for your account to be activated after you have claimed it. Please do this immediately after registering at Unisa, by following this link: myLifeHelp@unisa.ac.za

Your myLife account is the **only** e-mail account recognised by Unisa for official correspondence with the university, and will remain the official primary e-mail address on record at Unisa. You remain responsible for the management of this e-mail account.

6.1 First-Year Experience Programme

Many students find the transition from school education to tertiary education stressful. This is also true in the case of students enrolling at Unisa for the first time. Unisa is a dedicated open distance and e-learning institution, and it is very different from face-to-face/contact institutions. It is a mega university, and all our programmes are offered through either blended learning or fully online learning. It is for this reason that we thought it necessary to offer first-time students additional/extended support to help them seamlessly navigate the Unisa teaching and learning journey with little difficulty and few barriers. We therefore offer a specialised student support programme to students enrolling at Unisa for the first time – this is Unisa's First-Year Experience (FYE) Programme, designed to provide you with prompt and helpful information about services that the institution offers and how you can access information. The following FYE services are currently offered:

- FYE website: All the guides and resources you need in order to navigate through your first year at Unisa can be accessed using the following link: www.unisa.ac.za/FYE
- FYE e-mails: You will receive regular e-mails to help you stay focused and motivated.
- FYE broadcasts: You will receive e-mails with links to broadcasts on various topics related to your first-year studies (e.g. videos on how to submit assessments online).
- FYE mailbox: For assistance with queries related to your first year of study, send an e-mail to fye@unisa.ac.za .

7. STUDY PLAN

COS1511 is a co-requisite registration for COS1512. Both modules are year modules. In order to master the study material in COS1512, you first need to study a major part of COS1511. If you are registered for both modules simultaneously, please follow the study program below. If you are only registered for COS1511, you can adapt the study program to your needs. Please make sure that you have covered all the material assessed in an assignment before you attempt the assignment.

Study programme for COS1511 and COS1512

Week	Date	COS1511	COS1512
1	6 March 2023	Install software Chapters 1 to 4	Install software and AutoThinking game Chapter 1 in Savitch
2	13 March 2023	Chapters 5 to 7	Play AutoThinking game
3	20 March 2023	Chapters 8 to 11	Play AutoThinking game
4	27 March 2023	Chapters 12 to 14	Play AutoThinking game
5	3 April 2023	Chapters 15 to 16	Play AutoThinking game

6	10 April 2023	Complete Assignment 1 for COS1511 (Chapters 1 to 16) Coding	Play AutoThinking game
7	17 April 2023	Chapters 17 to 18	
8	24 April 2023	Chapters 19 to 20	
9	1 May 2023	Chapters 21 to 23	
10	8 May 2023	Complete Assignment 2 for COS1511 (Chapters 17 to 23)	
11	15 May 2023		Section 4.6 in chapter 4 and section 5.5 in chapter 5 in Savitch Complete Assignment 1 for COS1512
12	22 May 2023	Chapters 24 to 26	Chapter 6 in Savitch
13	29 May 2023	Chapter 27	
14	5 June 2023	Complete Assignment 3 for COS1511 (Chapters 24 to 27)	
15	12 June 2023		Sections 8.1 and 8.3, **plus** the subsection *Converting Between string Objects and C Strings* in section 8.2 in chapter 8 on Savitch
16	19 June 2023		Chapter 9 in Savitch
17	26 June 2023		Complete Assignment 2 for COS1512 (chapters 4, 5, 6, 8 &9 in Savitch)
18	3 July 2023	Chapters 28 to 30	
19	10 July 2023		Chapter 10 in Savitch
20	17 July 2023		Chapter 11 in Savitch
21	24 July 2023		Chapter 12 in Savitch
22	31 July 2023		Appendices 7 and 8 in Savitch
23	7 August 2023		Complete Assignment 3 for COS1512 (Chapters 10, 11 & 12 in Savitch)

24	14 August 2023		Complete Assignment 3 for COS1512 (Chapters 10, 11 & 12 in Savitch)
25	21 August 2023		Chapter 14 in Savitch
26	28 August 2023		Chapter 15 in Savitch
27	4 September 2023		Chapter 17 in Savitch
28	11 September 2023		Complete Assignment 4 for COS1512 (Chapters 14, 15 & 17 in Savitch)
29	18 September 2023		
30	25 September 2023 to exam	Revision	Revision

8 HOW TO STUDY ONLINE

8.1 What does it mean to study fully online?

Studying fully online modules differs completely from studying some of your other modules at Unisa.

- **All your study material and learning activities for online modules are designed to be delivered online on myUnisa.**
- **All your assignments must be submitted online.** This means that you will submit all your assignments on myUnisa. In other words, you may **NOT** post your assignments to Unisa using the South African Post Office.
- **All communication between you and the University happens online.** Lecturers will communicate with you via e-mail and SMS, and use the **Announcements,** the **Discussion Forums** and the **Questions and Answers** tools. You can also use all of these platforms to ask questions and contact your lecturers.

9. ASSESSMENT

9.1 Assessment criteria

The assignments together count 20% of the overall final mark, with the exam counting the remaining 80% to the final module mark.

9.2 Assessment plan

Details about the assessments will be provided separately on module website

- To complete this module, you will be required to submit 3 assessments.

- All information about when and where to submit your assessments will be made available to you via the myModules site for your module.
- Due dates for assessments, as well as the actual assessments are available on the myModules site for this module.
- To gain admission to the examination, you will be required to submit at least 1 assignment.
- The assignment weighting for the module is 20%.
- You will receive examination information via the myModules sites. Please watch out for announcements on how examinations for the modules for which you are registered will be conducted.
- The examination will count 80% towards the final module mark.

9.3 Assessment due dates

- There assignment **due dates** are included in this tutorial letter.

- Assignment due dates will also be made available to you on the myUnisa landing page for this module. We envisage that the due dates will be available to you upon registration.

- Please start working on your assessments as soon as you register for the module.

- Log on to the myUnisa site for this module to obtain more information on the due dates for the submission of the assessments.

9.4 Submission of assessments

- Unisa, as a comprehensive open distance e-learning institution (CODeL), is moving towards becoming an online institution. You will therefore see that all your study material, assessments and engagements with your lecturer and fellow students will take place online. We use myUnisa as our virtual campus.

- The myUnisa virtual campus will offer students access to the myModules site, where learning material will be available online and where assessments should be completed. This is an online system that is used to administer, document, and deliver educational material to students and support engagement between academics and students.

- The myUnisa platform can be accessed via https://my.unisa.ac.za. Click on the myModules 2023 button to access the online sites for the modules that you are registered for.

- The university undertakes to communicate clearly and as frequently as is necessary to ensure that you obtain the greatest benefit from the use of the myModules learning management system. Please access the announcements on your myModules site regularly, as this is where your lecturer will post important information to be shared with you.

- When you access your myModules site for the module/s you are registered for, you will see a welcome message posted by your lecturer. Below the welcome message you will see the assessment shells for the assessments that you need to complete. Some

assessments may be multiple choice, some tests, others written assessments, some forum discussions, and so on. All assessments must be completed on the assessment shells available on the respective module platforms.

- To complete quiz assessments, please log on to the module site where you need to complete the assessment. Click on the relevant assessment shell (Assessment 1, Assessment 2, etc.). There will be a date on which the assessment will open for you. When the assessment is open, access the quiz online and complete it within the time available to you. Quiz assessment questions are not included in this tutorial letter (Tutorial Letter 101) and are only made available online. You must therefore access the quiz online and complete it online where the quiz has been created.

- It is not advisable to use a cell phone to complete the quiz. Please use a desktop computer, tablet or laptop when completing the quiz. Students who use a cell phone find it difficult to navigate the **Online Assessment** tool on the small screen and often struggle to navigate between questions and successfully complete the quizzes. In addition, cell phones are more vulnerable to dropped internet connections than other devices. **If at all possible, please do not use a cell phone for this assessment type**.

- For written assessments, please note the due date by which the assessment must be submitted. Ensure that you follow the guidelines given by your lecturer to complete the assessment. Click on the submission button on the relevant assessment shell on myModules. You will then be able to upload your written assessment on the myModules site of the modules that you are registered for. Before you finalise the upload, double check that you have selected the correct file for upload. Remember, no marks can be allocated for incorrectly submitted assessments.

9.5 The assessments

As indicated in section 9.2, you need to complete at least 1 assessment for this module. Details on the assessments will be available on the module website.

There are no assessments included in this tutorial letter. Assessments and due dates will be made available to you on myModules for this module. We envisage that the due dates will be available to you upon registration. We envisage that the due dates will be available to you upon registration.

9.6 The examination

Examination information and details on the format of the examination will be made available to you online via the myUnisa site. Look out for information that will be shared with you by your lecturer and e-tutors (where relevant) and for communication from the university.

9.6.1 *Invigilation/proctoring*

Since 2020 Unisa conducts all its assessments online. Given stringent requirements from professional bodies and increased solicitations of Unisa's students by third parties to unlawfully assist them with the completion of assignments and examinations, the University is obliged to

assure its assessment integrity through the utilisation of various proctoring tools: Turnitin, Moodle Proctoring, the Invigilator App and IRIS. These tools will authenticate the student's identity and flag suspicious behaviour to assure credibility of students' responses during assessments. The description below is for your benefit as you may encounter any or all of these in your registered modules:

Turnitin is a plagiarism software that facilitates checks for originality in students' submissions against internal and external sources. Turnitin assists in identifying academic fraud and ghost writing. Students are expected to submit **typed** responses for utilisation of the Turnitin software.

The **Moodle Proctoring tool** is a facial recognition software that authenticates students' identity during their Quiz assessments. This tool requires access to a student's **mobile or laptop camera**. Students must ensure their camera is activated in their browser settings prior to their assessments.

The Invigilator "mobile application-based service does verification" of the identity of an assessment participant. The Invigilator Mobile Application detects student dishonesty-by-proxy and ensures that the assessment participant is the registered student. This invigilation tool requires students to download the app from their Play Store (Google, Huawei and Apple) on their **mobile devices** (camera enabled) prior to their assessment.

IRIS Invigilation software verifies the identity of a student during assessment and provides for both manual and automated facial verification. It has the ability to record and review a student's assessment session. It flags suspicious behaviour by the students for review by an academic administrator. IRIS software requires installation on students' **laptop devices** that are enabled with a webcam.

Students who are identified and flagged for suspicious dishonest behaviour arising from the invigilation and proctoring reports are referred to the disciplinary office for formal proceeding.

Please note:

Students must refer to their module assessment information on their myModule sites to determine which proctoring or invigilation tool will be utilised for their formative and summative assessments.

9.7 Supplementary

The supplementary exam for this module is in January/February 2024.

10. ACADEMIC DISHONESTY

10.1 Plagiarism

Plagiarism is the act of taking the words, ideas and thoughts of others and presenting them as your own. It is a form of theft. Plagiarism includes the following forms of academic dishonesty:

- Copying and pasting from any source without acknowledging the source.
- Not including references or deliberately inserting incorrect bibliographic information.
- Paraphrasing without acknowledging the original source of the information.

10.2 Cheating

Cheating includes, but is not limited to, the following:

- Completing assessments on behalf of another student, copying the work of another student during an assessment, or allowing another student to copy your work.
- Using social media (e.g. WhatsApp, Telegram) or other platforms to disseminate assessment information.
- Submitting corrupt or irrelevant files, this forms part of examination guidelines
- Buying completed answers from so-called “tutors” or internet sites (contract cheating).

For more information about plagiarism, follow the link below:

https://www.unisa.ac.za/sites/myunisa/default/Study-@-Unisa/Student-values-and-rules

11. STUDENTS LIVING WITH DISABILITIES

The Advocacy and Resource Centre for Students with Disabilities (ARCSWiD) provides an opportunity for staff to interact with first-time and returning students with disabilities.

If you are a student with a disability and would like additional support or need additional time for assessments, you are invited to contact (name and e-mail address of the lecturer must be inserted) to discuss the assistance that you need.

12. FREQUENTLY ASKED QUESTIONS

See Frequently Asked Questions in the Frequently Asked Questions section for COS1511 on myUnisa. Consult the **Study @ Unisa** brochure which contains an A-Z guide of the most relevant study information.

Question Title:

What can I do if I have not received any study material?

Answer:

The physical copies of the material are no longer distributed by the University because the module is fully online. The lecturers have made the soft copies available on MyUnisa. In the "Official Study Material" section as well as the "Additional Resources" section.

The software link is available on the module website as well as on the School of Computing’s Osprey server: http://osprey.unisa.ac.za/.

The study guide should help introduce you to C++ programming and the tutorial letter has the module schedule, including assignment due dates. Assignment questions are posted separately under additional resources as well as on the assessment tabs.

Question Title:

Where are the discussion forums?

Answer:

The discussion forums comes from your lecturer as well as your tutor groups and are activated by your tutors. Please note that you will be allocated an e-tutor as soon as the administration of

e-tutors have been completed. You will receive an email on your myLife account regarding the allocation. We as lecturers are not involved in the process. As soon as you are allocated an e-tutor, you can access the myUnisa e-tutor site where a discussion forum will be available.

13. SOURCES CONSULTED

Module study guide and module Form 1 for outcomes.

14. IN CLOSING

Do not hesitate to contact us by email if you are experiencing problems with the content of this tutorial letter or with any academic aspect of the module.

We wish you a fascinating and satisfying journey through the learning material and trust that you will complete the module successfully.