

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY (SCIT)

COURSE REGULATIONS FOR:

- 1. BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY &**
- 2. BACHELOR OF SCIENCE IN BUSINESS COMPUTING**

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Preamble

The Bachelor of Science in Information Technology (IT) course is intended to provide students

with a wide range of software, technical and technological ICT skills required by industry.

Program Justification

The program aims at providing adequate training, knowledge and skills in order to develop

solution providers in the ICT dynamic world and prepare graduates for progression to higher levels of study in their fields of specialization.

Vision

The Bachelor of Science in Information Technology is designed to promote the IT Department

vision, which is “To be a department of scholarly excellence in the field of Information Technology”.

Philosophy

The program is anchored on the philosophy of producing scholars and practitioners with a range

of Information and Communication Technology (ICT) knowledge and skills to offer competitive leadership for the national and international market, and cultivating positive attitude towards ICT knowledge and its dynamics in a view to produce graduates capable of adapting to the changing global needs.

Core Values

The core values, which shall be upheld and embraced by the program, include quality,

teamwork, professionalism, innovation, dynamism, accountability and integrity.

Mission Statement

To provide quality education that is adaptive to changes in technology and to produce highly

trained Information Technology professionals who can innovate solutions using technology.

Program Learning Outcomes

Program Learning Outcomes

By the end of the course, the student should be able to:

- i) Have ability to use industry standard computer software and hardware.
- ii) Get equipped with problem solving skills and can adapt to a fast changing technological world.
- iii) Assist in system administration and networking in areas such as, production research, consultancy, and education.
- iv) Progress academically to higher levels of education into relevant degree courses.

Target Groups

Secondary school leavers who have attained the minimum qualification for university admission

and who wish to start a career in Information Technology. The programme is also open to persons in employment who possess relevant qualification for admissions to a degree programme.

C. DURATION AND PATTERN OF THE COURSE

3. ICS-IT-3

3.1. The BSc in Information Technology course shall be offered in EIGHT academic semesters organized in THREE academic years. A student will be deemed to have passed an academic semester after successful completion of all the units in the

semester. At the end of Year II, a student who will have completed and passed all the units shall undertake and pass Internal Industrial attachment for eight (8) weeks. There shall be an external attachment of EIGHT (8) weeks at the end of Year III.

3.2. Each semester will have a maximum of nine (9) units and a minimum of eight (8) units.

3.3. Courses shall be offered in terms of units, one unit being defined as a series of 45 CONTACT HOURS comprising a total of 30 lecture hours and 45 practical hours. For this Course Purpose a one-hour lecture is equivalent to a two-hour tutorial or a three-hour practical period, or an equivalent amount of other assigned study of practical experience or any combination of these that may be approved by the Senate.

4. ICS-IT-4

4.1. To qualify for the award of the Degree of Bachelor of Science in Information Technology a candidate shall have completed study for the Degree extending over a period of not less than four (4) academic years and not more than six (6) academic years).

4.2. The student will undertake two attachments during the period following the end of Year II and III. Each attachment session will be not less than 8 weeks, being equivalent to ONE unit, and shall be subject to the general university regulations for practical training and industrial attachment.

4.3. The attachments at the end of Year II shall be internal attachment, while the attachments at the end of Year III shall be industrial attachment.

4.4. The student shall be required to take a Project, in Year IV, being an equivalent of two units.

D. REGISTRATION

5. ICS-IT-5

- 5.1. A student shall be required to register for the required or additional units within the first three weeks of the semester.
- 5.2. A student who does not register for a particular unit but who completes the course work and who sits for the examination in that unit will be deemed not to have sat for the examination in that unit.

E. EXAMINATIONS

E.1 ORDINARY EXAMINATIONS

6. ICS-IT-6

- 6.1. Examinations shall be set, moderated and approved in accordance with the University procedures.
- 6.2. Examinations shall be conducted either at the University or at an approved Centre or and in both cases shall be supervised by the University.

6.3. EXAMINATION STRUCTURE

- 6.3.1. All units shall be examined during the semester in which they are taken.
- 6.3.2. Such examinations shall be named ordinary examinations.
- 6.3.3. An Examination shall consist of continuous assessments and ordinary examinations.
- 6.3.4. Continuous assessments shall normally comprise practical, tests and assignments.
- 6.3.5. Continuous assessments shall contribute 30% and the ordinary examinations shall contribute 70% of the marks; except that where a unit consists solely of practical work, it shall be assessed out of 100% by continuous assessment.
- 6.3.6. A student who has not completed two thirds of the coursework for any unit shall have his/her ordinary examination results nullified and shall be deemed to have failed in the unit with a total mark of zero. Such a student shall be required to repeat the unit(s).
- 6.3.7. The University Examinations consisting of written papers shall be 2 hours per unit
- 6.3.8. Each unit shall be graded out of 100% and the pass mark shall be 40%.

6.3.9. The marks shall be translated into letter grades as follows:-

- | | |
|------------------------|---|
| i) 70% and above | A |
| ii) 60% and below 70% | B |
| iii) 50% and below 60% | C |
| iv) 40% and below 50% | D |
| v) Below 40% | E |

6.3.10. Subject to the provisions of ICS-IT-6 a student who absents himself/herself from a University Examination for any unit shall be deemed to have failed in the unit, with a total mark of zero.

6.3.11. Attachments shall be assessed and graded on PASS or FAIL basis.

6.3.12. All service units will follow the examination format of their parent department(s).

E.2 PROGRESS TO NEXT YEAR OF STUDY

7. ICS-IT-7

7.1. A candidate shall not be allowed to proceed to the next year of study without passing the preceding year. However, a candidate may be allowed to proceed to the next year of study with one failed unit, which must be cleared in the next year of study.

7.2. A student who fails in attachment in second and /or third year of study will be allowed to proceed but must satisfy ICS-IT-16.2.1. A candidate shall not be allowed to proceed to the next year without passing the Attachment in Year II and shall be expected to repeat and pass before proceeding with the subsequent year.

E.3 SUPPLEMENTARY EXAMINATIONS

8. ICS-IT-8

8.1. A candidate who fails in not more than FOUR (4) units in any year of study shall be required to sit for supplementary examination(s) in the failed Unit(s).

8.2. A candidate who fails in the Project shall be allowed to repeat the project not more than once and submit it as a supplementary within a period not exceeding three months from the date of release of results. The maximum marks for a resubmitted

project will be 40%. A candidate who fails in a resubmitted project shall be subject to ICS-IT-12.2. Any candidate who fails to submit the project within this period will be considered to have deserted the degree and will be deregistered.

8.3. The maximum marks in supplementary examinations shall be 40% and shall not include continuous assessment marks.

8.4. Subject to ICS-IT 10.1 a candidate who fails in the repeating year shall be required to sit for supplementary in the failed units.

E.4. SPECIAL EXAMINATIONS

9. ICS-IT-9

9.1. If through unavoidable circumstances a candidate is unable to sit for one or more examination papers; or is unable to undertake essential parts of the work for continuous assessment he/she may, on the recommendation of the School of Computing and Information Technology, and with the approval of the Senate, be permitted to take special examinations, or undertake extra work for continuous assessment.

9.2. Special examinations shall normally be scored out of 100% and shall include continuous assessment.

E.5 REPEATING

10. ICS-IT-10

10.1. A candidate who fails five (5) course units in a year shall repeat the failed units and shall be deemed to have repeated the year.

10.2. A candidate who fails in any supplementary examination shall repeat the failed course units and shall be deemed to have repeated the year of study.

10.3. A candidate who fails to satisfy ICS-IT-8 even after taking examinations shall be required to repeat the failed unit (s) externally. He/she shall be required to retake the examination(s) in the failed unit(s) during the next time the unit(s) is (are) offered at the ordinary examination. Such a candidate shall be required to register for the examination in every failed unit during the first three weeks of the semester.

10.4. A candidate, who has registered for the examination in any failed unit, may be allowed to attend lectures for the failed unit and to utilize other facilities upon making appropriate arrangements subject to ICS-IT-18. However no marks shall be awarded for any continuous assessment taken.

Such a candidate shall be deemed to be repeating the concerned year of study.

10.5.A candidate shall not be allowed to repeat any year of study more than once.

10.6.A candidate shall not be allowed to repeat more than twice during the course of study.

E.6 ACADEMIC LEAVE

11. ICS-IT-11

11.1. Subject to the approval of the University Senate a newly admitted student who for some good cause is unable to register in the first year of study may be allowed to defer his/her admission for one or two complete academic years, and to be admitted to the first year at the start of the following academic year or of the academic year immediately thereafter. Such a student shall not be deemed to have repeated.

11.2. Subject to the approval of the University Senate a continuing student who for some good cause is unable to register in any year of study may be allowed to stay out of the University for a period of one or two complete academic years, and to resume study at the start of the following year of study or of the year immediately thereafter. Such a student shall not be treated as a repeating student for the year in question unless he/she had already been required to repeat that year.

11.3. Subject to the approval of the University Senate a student who has registered and who for some good cause is unable to complete the course work for any year of study may be permitted to register for the same year as a readmitted student at the start of the following academic year or of the year immediately thereafter. Such a student shall not be treated as a repeating student for the year in question unless he/she had already been required to repeat that year.

E.7 DISCONTINUATION

12. ICS-IT-12

12.1.A candidate who fails six (6) or more units at any one year shall be discontinued from the programme

12.2. A repeating candidate who fails in a resubmitted Project shall be discontinued.

12.3.A candidate who fails in any supplementary examinations after repeating shall be discontinued.

12.4.Subject to ICS-IT-10.5, a candidate who fails five (5) course units after repeating

the year of study shall be discontinued.

E.8 APPEAL FOR REMARKING

13. ICS-IT-13

- 13.1. A student who is not satisfied with the grade, which he/she has been awarded in any unit may appeal to the Registrar (Academic affairs) for re-marking of the university examination in that unit upon payment of the appropriate fee which the University Senate shall determine from time to time. The grade and mark recommended by the examiner(s) shall be the final grade and mark awarded to the student for the unit. No appeal for re-marking of any unit shall be entertained in cases where the appeal has been submitted later than one month after the student has been notified of the result.
- 13.2. A student who appeals for re-marking of the university examinations shall be required to wait for the results of such a remark before proceeding to take supplementary examination(s).

E.9 DEREGISTRATION

14. ICS-IT-14

- 14.1. A candidate who qualifies to register for any semester but fails to register by the end of the third week of the semester shall be assumed to have deserted the programme and shall be de-registered forthwith.
- 14.2. A candidate who absents himself/herself from supplementary that he/she was required to sit for in any semester shall be assumed to have deserted from the degree course, and shall be deregistered forthwith.
- 14.3. A candidate who has registered for a particular semester but who has failed to complete at least two thirds of the continuous assessments in all which he/she has registered shall be assumed to have deserted from the degree course and shall be de-registered forthwith.

E.10

15. ICS-IT-15

- 15.1. A candidate who has been involved in an examination irregularity will have his/her examination results withheld until a verdict is arrived at by the University Disciplinary Committee.

- 15.2. A student who is found to be guilty of any irregularities during any University Examination shall be subject to the appropriate penalties as detailed in the University examination Regulations and shall not proceed until the case is dispensed.

E.11

16. ICS-IT-16

- 16.1. A student who sits for examinations with an outstanding fee balance or who sits for examinations without having paid the requisite fee for supplementary examinations shall have the affected examination results nullified.
- 16.2. A student who proceeds to the next year of study illegally having not satisfied the regulation ICS-IT-7 on progress to the next year shall have his/her results nullified
- 16.3. Nullified results shall therefore be deleted from the records.

E.12 WITHHOLDING OF EXAMINATION RESULTS

17. ICS-IT-17

- 17.1. A student who commits an examination irregularity and is referred to disciplinary will have the affected examination results withheld until the verdict is declared.

E.13 CERTIFICATION AND AWARD

18. ICS-IT-18

- 18.1. Upon written request and approval by the University Senate, a candidate may be considered for the award of the Diploma in Information Technology provided that such a candidate will have taken and passed in all the thirty-two (32) required units in Year I and Year II and Eight (8) weeks internal attachment.
- 18.2. To be considered for the award of the Degree:
- 18.2.1. A candidate who has joined at Year I must have taken and passed in all the sixtytwo (62) required units in Year I, II, III and IV, the three University units and both attachment units.
- 18.2.2. A candidate who joins at Year II must have taken and passed all the forty eight (48) required units in Year II, III and IV and the attachment at the end of year III.

E.15

20. ICS-IT-20

20.1. Subject to the provision of ICS-IT-16.1 the final classification of the Diploma shall be based on the average mark for all the required thirty-two (32) units taken in Year I and II. Additional units shall not be considered for the classification of the diploma.

20.2. The Diploma shall be graded as follows:

- i) Distinction 70% and above
- ii) Credit 60% and below 70%
- iii) Pass 40% and below 60%

20.3. Subject to the provision of ICS-IT-17.7 the final classification of the Degree shall be based on the average mark for all the required sixty two (62) units taken in Year I, II, III and IV. Additional units shall not be considered for the classification of the degree.

20.4. The final classification of the Degree for the students who join the Degree course at Year II shall be based on the average mark for all the required forty eight (48) units taken in Year II, III and IV. Additional units shall not be considered for the classification of the degree

20.5. The Degree shall be graded as follows:-

- i) First Class Honours 70% and above.
- ii) Second Class Honours (Upper Division) 60% to below 70%.
- iii) Second Class Honours (Lower Division) 50% to below 60%.
- iv) Pass 40% to below 50%.