**MINUTES OF THE MATHEMATICS SECTION HELD ON 18TH AND 19TH JUNE 2024 AT COMPUTER LAB 4, CHUKA UNIVERSITY**.

**Members present**

1. Prof. Musundi. W
2. Dr. Okong’o M.-Chairman
3. Dr. Lunani. M
4. Dr. Kirimi. J
5. Dr. Njoroge. E
6. Prof. Murrithi. K
7. Mr. Mwenda E.
8. Mr. Teddy. M

**Absent with Apology**

**Agenda of the meeting**

1. Preliminaries
2. Matters arising
3. Curriculum review for Bachelors, Masters and Doctorate degrees
4. .
5. Adjournment

Minutes 01/2024: Preliminaries

The chair, Dr. Okongo welcomed all the members to the meeting and a word of prayer was led by Dr. Elizabeth Njoroge. It was a concern for the members to give priority to serviced mathematics units in the faculty of education.

Minutes 02/ 2024: Bed. Science & Bed. Arts Curriculum Review

In Y1S1we have MATH 122, MATH 124 for Bed. Science students with mathematics as one of the teaching subjects. MATH 101 is a core unit to the same group not majoring in mathematics. Whereas, MATH 100 is the only core unit for all Bed. Arts students not taking mathematics as teaching subject.

In Y1S2 -MATH 121, MATH 141and MATH 123 units to be retained as core for Bed. Science with mathematics as a teaching subject.

In Y2S1 we have MATH 221, MATH 241, MATH 222 units are core for Bed. Science with mathematics as a teaching subject.

In Y2S2- MATH 201 and MATH 242 are the core units for education Science students’ mathematics option. There was a capping of seven units per semester and therefore members agreed to retain the two.

In Y3S1 and Y3S2 members agreed to have one (1) core unit in mathematics and at least two (2) electives in any of the three areas of specialization namely; Pure Mathematics, Applied mathematics and Statistics. For Y3S1, MATH 322 to be the core unit and in Y3S2, MATH 323. This applies to both Bed. Science and Arts mathematics option. The rationale was to enable the students to attain a minimum required units (8) to further their studies in their field of choice in mathematics once they graduate.

In Y4S1 and Y4S2 members agreed to have one (1) core unit in mathematics and at least two (2) electives in any of the three areas of specialization. For Y4S1, MATH 421 to be the core unit and in Y3S2, MATH 422. This applies to both Bed. Science and Arts mathematics option. The rationale was to enable the students to attain a minimum required units (8) to further their studies in their field of choice in mathematics once they graduate.

A concern was raised to review the term “Optional” to “Elective” across year three and four to sensitize the students on the need to consider the units.

Minutes 04/ 2024: Curriculum review loading

Members shared various units to be review as stipulated below. The date for presentation was agreed to be Monday 24th. June 2024.

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| **NAME** | **Unit Code** |
| Prof. Musundi | **MATH 100**  **MATH 201**  **MATH 202**  **MATH 203**  **MATH 302**  **MATH 303**  **MATH 306**  **MATH 401**  **MATH 408**  **MATH 409**  **MATH 411** |
| Dr. Lunani | **MATH 224**  **MATH 226**  **MATH 304**  **MATH 321**  **MATH 322**  **MATH 323**  **MATH 404**  **MATH 421**  **MATH 422**  **MATH 423** |
| Dr. Kirimi | **MATH 101**  **MATH 121**  **MATH 122**  **MATH 123**  **MATH 124**  **MATH 221**  **MATH 222**  **MATH 325** |
| Dr. Njoroge | **MATH 171**  **MATH 243**  **MATH 344**  **MATH 345**  **MATH 348**  **MATH 443**  **MATH 444**  **MATH 445**  **MATH 448** |

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| **NAME** | **Unit Code** |
| Dr. Okongo | **MATH 143**  **MATH 223**  **MATH 324**  **MATH 326**  **MATH 390**  **MATH 407**  **MATH 426**  **MATH 427**  **MATH 428** |

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| Prof. Muriithi | **MATH 141**  **MATH 342**  **MATH 343**  **MATH 347**  **MATH 442**  **MATH 447**  **MATH 451/454**  **MATH 452** |

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| Mr. Mwenda | **MATH 125**  **MATH 204**  **MATH 205**  **MATH 301**  **MATH 305**  **MATH 307**  **MATH 403**  **MATH 405**  **MATH 406**  **MATH 412** |
| Miss. Magero/ Mr. Misati | **MATH 338**  **MATH 346**  **MATH 347**  **MATH 349**  **MATH 446**  **MATH 453**  **MATH 457**  **MATH 458**  **MATH 471** |
| Mr. Teddy | **MATH 142**  **MATH 241**  **MATH 242**  **MATH 244**  **MATH 245**  **MATH 261**  **MATH 263**  **MATH 341** |

Minutes 04/ 2024: Masters and PhD Curriculum

Members agreed to retain the ten (10) units for all master’s programs and research methods units to have different names and codes as per the filed of specialisation. Doctor of philosophy degree coursework units to be capped at five (5) with two core and three electives.

Minutes 05/ 2024: BSC. Mathematics Curriculum

Y1S1 to have four (4) units MATH 122, MATH 123, MATH 105 and MATH 142. Where MATH 125 switch with MATH 205 and code changed to 225 and 105 respectively. Y1S2 to be retained as it is however there were proposals to do away with practicals in Physics and have them in-built in a unit in bid to reduce the units loading for students per semester.

Y2S1 units to be retained. MATH 223 to be restructured to incorporate field trips and the content aligned appropriately. Y2S2 the mathematics units were retained.

Y3S1 MATH 302, MATH 301 and MATH 322 as the core units. MATH 321 to be added under pure mathematics.

Y3S2 MATH 303, MATH 304, MATH 323 and MATH 390 as the core units. MATH 345 to be moved and added to electives for all areas.

Notably, in Y3S1 and Y3S2 members agreed students to have the core unit in mathematics and at least two (2) electives in any of the three areas of specialization namely; Pure Mathematics, Applied mathematics and Statistics.

In Y4S1, MATH 401 to be switched with MATH 407. The core units MATH 421, MATH 407 and MATH 491. Pure mathematics under electives to have MATH 401, 408,423 and 411.

In Y4S2, the core units to be retained and MATH 427 and MATH 409 to be added under electives in pure mathematics. Under applied mathematics MATH 409 to be added under electives.

Y4S1 and Y4S2 members agreed students to have the core unit in mathematics and at least two (3) electives in any of the three areas of specialization namely; Pure Mathematics, Applied mathematics and Statistics.

Minutes 06/ 2024: BSC. General Curriculum

The curriculum was amended recently and members adopted it across from year one to four.

Minutes 06/ 2024: BSC. Applied Statistics Curriculum

In Y1S 1, MATH 125 to be moved. In Y1S2, MATH 143 to be moved to electives in 3rd year

In Y2S1, Members agreed adding ACSC 221 and be removed from Y2S2.

In Y2S2-Replace MATH 203 with MATH 206.

Y3S1-The code for MATH 346 to be given a different code. Current code is assigned to a unit in Bsc. Actuarial sciences. In Y3S2 -Remove MATH 307 and replace with MATH 303.

Y4S1-Remove 412 and to be replaced by MATH 456 and in Y4S2, add MATH 403 as core and move MATH 471 to electives under statistics. The unit to be restructured to read MATH 417: Demography and Vital Statistics.

Minutes 06/ 2024: BSC. Actuarial Science Curriculum

In Y1S1, MATH 125 to be moved. In Year 4 semester one and two to have ACMT 491 and ACMT 492 as project in Actuarial science I and II respectively. Members suggest a consideration of adding a unit in Statistics for Y4S2.

Minutes 07/ 2024: Adjournment

The chairman thanked all members for availing themselves for the exercise. There being no other business, the meeting was adjourned with a word of prayer led by Dr. Kirimi J.