

DEPARTMENT OF CHEMISTRY

FIRST YEAR (BSC.) TIME TABLE, SEMESTER ONE

PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|-----------|---|---------------------------------|---------------------------------|---------------------------------|---|------------------------------|
| 8-9 AM | | CHM 1102 <i>JM</i> LLT | | CHM 1102 <i>JM</i> LLT | | CHM 1102 <i>JM</i> LLT |
| 9-10 AM | | | | | | |
| 10 -11 AM | | | CHM 1101 <i>ET</i> LLT | | | CSK1101 JICA 201 |
| 11-12NOON | | | | | | CSK1101 JICA 201 |
| 12 - 1 PM | | | | | | CSK1101 JICA 201 |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | | | | CHM 1101 <i>ET</i> LLT | CHM 1101 <i>ET</i> LLT | |
| 3 - 4 PM | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | | | | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | |
| 4 - 5 PM | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | | | | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | |
| 5 - 6 PM | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | | | | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | |
| 6 - 7 PM | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | | | | CHM 1105/P <i>YS/KA/IK/AM/</i> <i>FN</i> FYL | |

DEPARTMENT OF CHEMISTRY

FIRST YEAR (BSc.IND.CHEM) TIME TABLE, SEMESTER ONE PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|-----------|---|-------------------------------|------------------------------|------------------------------|---|------------------------------|
| 8-9 AM | | CHM 1102 <i>JM</i> LLT | | CHM 1102 <i>JM</i> LLT | | CHM 1102 <i>JM</i> LLT |
| 9-10 AM | ICH 1103 <i>JSK</i> FYL | | | | | |
| 10 -11 AM | ICH 1103 <i>JSK</i> FYL | | CHM 1101 <i>ET</i> LLT | | ICH 1102 <i>GWN</i> FYL | CSK1101 JICA 201 |
| 11-12NOON | ICH 1101 <i>GWN</i> FYL | | ICH 1104 <i>JS</i> FYL | ICH 1105 <i>JS</i> FYL | ICH 1102 <i>GWN</i> FYL | CSK1101 JICA 201 |
| 12 - 1 PM | ICH 1101 <i>GWN</i> FYL | | ICH 1104 <i>JS</i> FYL | ICH 1105 <i>JS</i> FYL | | CSK1101 JICA 201 |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | | ICH 1103 <i>JSK</i> FYL | ICH 1104 <i>JS</i> FYL | CHM 1101 <i>ET</i> LLT | CHM 1101 <i>ET</i> LLT | |
| 3 - 4 PM | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | ICH 1106 <i>HN</i> FYL | | | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | |
| 4 - 5 PM | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | ICH 1106 <i>HN</i> FYL | | | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | |
| 5 - 6 PM | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | | | | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | |
| 6 - 7 PM | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | | | | CHM 1105/P <i>YS/KA/IK/A</i> <i>M/FN</i> FYL | |

The instructors responsible for ICH 1101, ICH 1102 & ICH 1106 will arrange appropriate times for practicals.

DEPARTMENT OF CHEMISTRY

SECOND YEAR (BSC.) TIME TABLE, SEMESTER ONE

PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|-----------|--------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---------------------------|--------------------------|
| 8-9 AM | | | | | | CHM 2109 JN/KA SLT |
| 9-10 AM | | | | CHM 2109 JN/KA SLT | | |
| 10 -11 AM | | | | | CHM 2112 BN,GNK LLT | UNV 2101 JICA204/5 |
| 11-12NOON | | | | | CHM 2112 BN,GNK LLT | UNV 2101 JICA204/5 |
| 12 - 1 PM | | | CHM 2112 BN,GNK LLT | | | UNV 2101 JICA204/5 |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | | CHM 2111/P MN/SAN/GNK /FN IL | | | | |
| 3 - 4 PM | | CHM 2111/P MN/SAN/GNK /FN IL | | | CHM 2113/P AM/RM OL | |
| 4 - 5 PM | | CHM 2111/P IK/YS IL | | | CHM 2113/P AM/RM OL | |
| 5 - 6 PM | CHM 2113 RB/KA LLT | CHM 2111/P MN/SAN/GNK /FN IL | | | CHM 2113/P AM/RM OL | |
| 6 - 7 PM | CHM 2113 RB/KA LLT | | CHM 2111 MN/SAN/GNK /FN LLT | CHM 2111 MN/SAN/GNK /FN LLT | CHM 2113/P AM/RM OL | |

CHM 2114 is a 2-hours-per-week elective course. Those interested should contact **AM**

DEPARTMENT OF CHEMISTRY

SECOND YEAR (BSc.IND.CHEM) TIME TABLE, SEMESTER ONE PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|---------------|-----------------------------|--|--|--|------------------------------|------------------------|
| 8-9 AM | | ICH 2117 <i>EM</i> FYL | | ICH 2117 <i>EM</i> FYL | ICH 2116 <i>PM</i> FYL | |
| 9-10 AM | | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | ICH 2117 <i>EM</i> FYL | ICH 2116 <i>PM</i> FYL | |
| 10 -11 AM | | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | | | UNV 2101 JICA 204/5 |
| 11- 12NOON | ICH 2113 <i>PM</i> OL | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | | | UNV 2101 JICA 204/5 |
| 12 - 1 PM | ICH 2113 <i>PM</i> OL | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | UOL Prac <i>GWN/JSK/</i> <i>HN/PM</i> | | ICH 2113 <i>PM</i> FYL | UNV 2101 JICA 204/5 |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | | CHM 2111/P <i>MN/SAN/G</i> <i>NK/FN</i> IL | | | ICH 2112 <i>JS</i> FYL | |
| 3 - 4 PM | | CHM 2111/P <i>MN/SAN/G</i> <i>NK/FN</i> IL | | ICH 2114 <i>HN</i> FYL | ICH 2112 <i>JS</i> FYL | |
| 4 - 5 PM | | CHM 2111/P <i>MN/SAN/G</i> <i>NK/FN</i> IL | ICH 2115 <i>DE</i> FYL | ICH 2114 <i>HN</i> FYL | | |
| 5 - 6 PM | ICH 2115 <i>DE</i> OL | CHM 2111/P <i>MN/SAN/G</i> <i>NK/FN</i> IL | | | | |
| 6 - 7 PM | ICH 2115 <i>DE</i> OL | | CHM 2111 <i>MN/SAN/GNK</i> <i>/FN</i> LLT | CHM 2111 <i>MN/SAN/GNK</i> <i>/FN</i> LLT | | |

The instructor responsible for ICH 2116 will arrange appropriate times for practicals. In addition, selection may be made from CHM 2112, CHM 2113 and CHM 2109. (See Second Year BSc. Time Table)

DEPARTMENT OF CHEMISTRY

THIRD YEAR (BSC.) TIME TABLE, SEMESTER ONE PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|-----------|-----------------------|-----------------------|--------------------------|-----------------------|---|-----------------------|
| 8-9 AM | | | | | | |
| 9-10 AM | | | | | | CHM 3129 YS SLT |
| 10 -11 AM | | | | | CHM 3130 PS SLT | CHM 3129 YS SLT |
| 11-12NOON | CHM 3124 IK LLT | | | CHM 3128 BN IL | CHM 3130 PS SLT | |
| 12 - 1 PM | | CHM 3124 IK SLT | | CHM 3128 BN IL | | |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | | | ICH 3130 GWN/PM IL | | CHM 3236 Research Project <i>All staff</i> | |
| 3 - 4 PM | | | ICH 3130 GWN/PM IL | | CHM 3236 Research Project <i>All staff</i> | |
| 4 - 5 PM | | | ICH 3130 GWN/PM IL | | CHM 3236 Research Project <i>All staff</i> | |
| 5 - 6 PM | | | | CHM 3130 PS SLT | CHM 3236 Research Project <i>All staff</i> | |
| 6 - 7 PM | CHM 3122 JW SLT | | | | CHM 3122 JW SLT | |
| 7 – 8 PM | | | | | | |

The following are 2-hours-per-week elective courses, contact lecturers mentioned to arrange convenient time for lectures.

CHM 3131 –PS

CHM 3132 –JN/RM

CHM 3133 –RB

DEPARTMENT OF CHEMISTRY

THIRD YEAR (BSc.IND.CHEM) TIME TABLE, SEMESTER ONE

PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|-----------|------------------------------------|--------------------------------|---------------------------------|-----------------------------------|---|-----|
| 8-9 AM | ICH 3124 <i>DE</i> SFYL | ICH 3128 <i>HN</i> SFYL | ICH 3124 <i>DE</i> SFYL | | ICH 3127 <i>EM</i> SFYL | |
| 9-10 AM | ICH 3124 <i>DE</i> SFYL | ICH 3128 <i>HN</i> SFYL | | | ICH 3127 <i>EM</i> SFYL | |
| 10 -11 AM | | | ICH 3129 <i>DE</i> SFYL | ICH 3127 <i>EM</i> C6 | | |
| 11-12NOON | | | ICH 3129 <i>DE</i> SFYL | ICH 3128 <i>RO</i> SFYL | ICH 3125 <i>JSK</i> SFYL | |
| 12 - 1 PM | | ICH 3125 <i>JSK</i> SFYL | | | ICH 3125 <i>JSK</i> SFYL | |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | ICH 3126/P <i>JSK/EM</i> UOL | | ICH 3130 <i>GWN/PM</i> IL | ICH 3126 <i>JSK/EM</i> SFYL | ICH 3232 Research Project <i>All staff</i> | |
| 3 - 4 PM | ICH 3126/P <i>JSK/EM</i> UOL | | ICH 3130 <i>GWN/PM</i> IL | ICH 3126 <i>JSK/EM</i> SFYL | ICH 3232 Research Project <i>All staff</i> | |
| 4 - 5 PM | ICH 3126/P <i>JSK/EM</i> UOL | | ICH 3130 <i>GWN/PM</i> IL | | ICH 3232 Research Project <i>All staff</i> | |
| 5 - 6 PM | ICH 3126/P <i>JSK/EM</i> UOL | | | | ICH 3232 Research Project <i>All staff</i> | |
| 6 - 7 PM | | | | | | |

The following are elective courses:

CHM 3131, CHM 3128 (See Third Year BSc. Time Table)

FIRST YEAR (MSC) TIME TABLE, SEMESTER ONE

PERIOD: 08 FEB 2021 – 31 MAY 2021

| TIME | MON | TUES | WED | THU | FRI | SAT |
|-----------|------------------------|------------------------|-------------------------|-------------------------|----------|-----|
| 8-9 AM | CHM 7101 | | | CHM 7103 (Practical) | | |
| 9-10 AM | CHM 7101 | CHM 7103 (Lectures) | | CHM 7103 (Practical) | | |
| 10 -11 AM | | CHM 7103 (Lectures) | | CHM 7103 (Practical) | | |
| 11-12NOON | | | | CHM 7103 (Practical) | | |
| 12 - 1 PM | | | | | | |
| 1 - 2 PM | L | U | N | C | H | |
| 2 - 3 PM | CHM 7102 (Lectures) | CHM 7104 | CHM 7102 (Practical) | | | |
| 3 - 4 PM | CHM 7102 (Lectures) | CHM 7104 | CHM 7102 (Practical) | | | |
| 4 - 5 PM | | | CHM 7102 (Practical) | | | |
| 5 - 6 PM | | | CHM 7102 (Practical) | | | |
| 6 - 7 PM | | | | | | |

- NB:**
- 1) **Except for laboratory sessions, Venue for all Lectures will be the Department of Chemistry Seminar Room (SR)**
 - 2) **Graduate students are expected to participate in the preparation and demonstration of experiments during the undergraduate practical sessions and will be contacted by the respective lecturers on that. (Refer to the undergraduate time-table)**

MSC TEACHING SCHEDULE

| CHM 7101: Research methodology | | |
|---------------------------------------|--|--------|
| Week 1: | Orientation | |
| Week 2: | Proposal writing | RB |
| Week 3: | Log frame development | RB |
| Week 4: | Referencing in scientific writing | SAN/JW |
| Week 5: | Overview of research methods <ul style="list-style-type: none"> ○ Quantitative research methods ○ Qualitative research methods ○ Qualitative analysis | JN |
| Week 6: | Experimental design in research | GNK |
| Week 7: | Organization, analysis and presentation of research data | HN |
| Week 8 | Use of microcomputers and their applications in information handling, storage and retrieval | JSK |
| Week 9- 10 | Types of statistical analyses; their use in interpretation of results and preparation of scientific reports | SAN |
| Week 11 | Project planning, management, phases and life cycle | ET |
| Week 12 | Budgeting and accountability in research | MN |
| Week 13 | Monitoring and evaluation of research projects | KA |
| Week 14 | Tests and seminars | |
| Weeks 15 | Examinations | |
| | | |
| CHM 7102: Instrumentation | | |
| Week 1 | Orientation | |
| Week 2 | A Preview of the Basic Equipment and Instrumentation in a chemical laboratory | JW |
| | The spectroscopic techniques | |
| Week 3 | Ultra-violet and visible spectrophotometry | ET |
| Week 4 | Infrared spectrophotometry | SAN |
| Week 5 | Atomic absorption spectrophotometry | BN |
| Week 6 | Nuclear magnetic resonance spectroscopy and electron spin resonance spectroscopy | RB |
| | | |
| | Chromatographic techniques | |
| Week 7 -8 | Gas chromatography | EM |
| Week 9 | High performance liquid chromatography | MN |
| | Electrochemical techniques | |
| Week 10 | Polarographic methods | JM |
| Week 11 | Coulometric methods | JW |
| | Mass spectrometry | |
| Week 12 | Mass spectrometry | KA |
| Week 13 | Inductively coupled plasma mass spectrometry (ICP-MS) | GNK |
| Week 14 | Tests and seminars | |
| Weeks 15 -17 | Examinations | |
| | | |

| CHM 7103: Analytical Methods | | |
|--|--|-------|
| Week 1 | Orientation | |
| Week 2 | Method and analytical detection limits | PS |
| Week 3 | Evaluation of analytical data including detection and correction of determinate and indeterminate | SAN |
| Week 4 | Proficiency testing | JW |
| Week 5 | Reagents and calculations used in titrimetric methods of analysis such as precipitation, complexometric and amperometric titrations. | BN |
| Week 6 | Method Development and Validation | MN |
| | Selected laboratories/experiments designed to cover aspects of analytical separations and the nature of separation processes. | |
| Week 7 | Selected experiments covering precipitation techniques | ET |
| Week 8 | Selected experiments covering extraction techniques | JN |
| Week 9 | Selected experiments covering distillation techniques | GWN |
| Week 10 | Selected experiments covering column and paper chromatography as well as preparative TLC | JN |
| Week 11 | Selected experiments covering HPLC | MN |
| Week 12 | Selected experiments covering GC analysis | PS |
| Week 13 | Selected experiments covering mass spectrometry | IK/KA |
| Week 14 | Tests and seminars | |
| Weeks 15 -17 | Examinations | |
| CHM 7104: Laboratory Management and Quality Assurance | | |
| Week 1 | Orientation | |
| Week 2 | Organizational Structure of a chemical laboratory | JM |
| Week 3 | Good Laboratory Practices (GLPs) | PS |
| Week 4 | Quality control and assurance in a chemical laboratory | JW |
| Week 5 | Safety aspects in a chemical laboratory | JN |
| Week 6 | Standards development and accreditation | KA |
| Week 7 | Inter-laboratory testing | SAN |
| Week 8 | Effective procurement management | RB |
| Week 9 | Preparation, use and management of reference/Test materials | GNK |
| Week 10 | Instrument repairs and Preventive maintenance | JW |
| Week 11 | Chemical laboratory waste management | EM |
| Week 12 -13 | Laboratory Quality Management tool | JW |
| Week 14 | Tests and seminars | |
| Weeks 15 -17 | Examinations | |

KEY TO LECTURERS

| No. | Member of Staff | Initials |
|-----|---|----------|
| 1 | Prof. J. Mbabazi | JM |
| 2 | Prof. R. Byamukama | RB |
| 3 | Assoc Prof. S. A. Nyanzi | SAN |
| 4 | Assoc Prof. G. W. Nyakairu | GWN |
| 5 | Assoc Prof. M. Ntale | MN |
| 6 | Dr J. Wasswa | JW |
| 7 | Dr. B. Naziriwo | BN |
| 8 | Dr. G.N. Kasozi | GNK |
| 9 | Dr. E. Tebandenke | ET |
| 10 | Dr. J. S. Kasule | JSK |
| 11 | Dr. E. Mubiru | EM |
| 12 | Dr. H. Nsamba | HN |
| 13 | Dr. J. Namukobe | JN |
| 14 | Dr. K. Arinaitwe | KA |
| 15 | Dr. P. Ssebugere | PS |
| 16 | Dr. I. Karume | IK |
| 17 | Dr. D. Egesa | DE |
| 18 | Dr. A. M. Madina | AM |
| 19 | Dr. Solomon Yiga | YS |
| 20 | Mr. J. Ssekamatte | JS |
| 21. | Mr Patrick Mulindwa | PM |
| 22 | Ms. F. Nantaba | FN |
| 23 | Ms. R. Mbabazi | RM |
| 24 | Mr. E.P.Maiki (<i>Study leave</i>) | EPM |
| 25 | Mr. R.Ochieng (<i>Study leave</i>) | RO |
| 26 | Mr. Fahad Matovu (<i>Study leave</i>) | FM |

KEY TO COURSES

| COURSE CODE | COURSE NAME |
|--------------------|--|
| CHM 1101 | Basic Inorganic Chemistry |
| CHM 1102 | Basic Physical Chemistry |
| CHM 1105 | Integrated Physical, Inorganic Lab |
| MTH 1101 | Calculus 1 |
| CSK1101 | Communication Skills |
| ICH 1101 | Introduction to Computing |
| ICH 1102 | Introduction to Industrial Chemistry |
| ICH 1103 | Mathematics for Chemical Engineers 1 |
| ICH 1104 | Industrial Stoichiometry |
| ICH 1105 | Fundamentals of Electrical Engineering |
| ICH 1106 | Descriptive Geometry |
| CHM 2109 | Aromatic Chemistry |
| CHM 2111 | Elements of Analytical Chemistry |
| CHM 2112 | Bonding and Periodicity |
| CHM 2113 | Polyfunctional and Cyclic Aliphatics |
| CHM 2114 | Natural Products Chemistry |
| ICH 2112 | Mass Transfer I |
| ICH 2113 | Chemical Engineering Mathematics 2 |
| ICH 2114 | Introductory Economics |
| ICH 2115 | Chemical Reaction Engineering |
| ICH 2116 | Energy Technology |
| ICH 2117 | Industrial Management |
| UNV 2101 | Development Studies |
| CHM 3129 | Quantum Chemistry |
| CHM 3122 | Colloid Science |
| CHM 3130 | Solution and Statistical Thermodynamics |
| CHM 3124 | Solid State & Crystal Chemistry |
| CHM 3128 | Organometallic and Bioinorganic Chemistry |
| CHM 3131 | Reaction Kinetics |
| CHM 3132 | Advanced Spectroscopy |
| CHM 3133 | Divalent Species |
| ICH 3130 | Organic Chemical Technology |
| ICH 3124 | Reactor Design |
| ICH 3125 | Chemical Plant Design |
| ICH 3126 | Separation processes |
| ICH 3127 | Biotechnology |
| ICH 3128 | Mathematical methods in Chemical Engineering |
| ICH 3129 | Mass Transfer II |

KEY TO ROOMS

| ROOM CODE | ROOM NAME |
|------------------|---------------------------|
| SLT | Small Lecture Theatre |
| LLT | Large Lecture Theatre |
| OL | Organic Laboratory |
| PL | Physical Laboratory |
| IL | Inorganic Laboratory |
| SR | Seminar Room |
| FYL | First Year Laboratory |
| CL | Computer Laboratory |
| UOL | Unit Operation Laboratory |
| SFYL | Small First Year Lab |
| JICA 201 | Room 201, JICA Building |
| JICA 204 | Room 204, JICA Building |
| JICA 205 | Room 205, JICA Building |