



MAJOR-SPECIFIC STUDY & INTERN ABROAD PROGRAMS

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Course Offerings

FACULTY OF AQUATIC SCIENCE & TECHNOLOGIES

University of Dar es Salaam

This file has been adapted from the University of Dar es Salaam (UDES) prospectus. Contact KEI for course descriptions and syllabi. Please be patient as it may take 2 to 6 weeks to obtain course descriptions (and syllabi when available). UDES does not have a digitized system for course information; so much of the work must be done manually and through direct contact with each professor.

Course Selection & Approval

UDES uses a very different system for course scheduling and registration. It is important to keep the following in mind when selecting your courses:

1. Not all courses listed in this file are offered each academic term.
2. Course availability and schedule for each academic term is made available by UDES only a couple of days before the semester starts.
3. Some courses may be cancelled after the first week of classes.

In general, the course selection process includes the following steps:

1. Select at least 10 (preferably more) courses for each semester of study. The more courses you select the better (and the quicker the process). Make sure to select courses that are offered during your semester of study; Semester 1 (Fall) and Semester 2 (Spring). Refer to other course files for more course options (<http://www.KEIabroad.org/programs/darsalaam/academics.php>).
2. Consult with your academic and/or study abroad advisor regarding your course selections. Obtain credit transfer approval from your university.
3. Inform your KEI Program Manager about your course selections.
4. KEI will check with UDES which courses will be offered during your semester of study. This process may take several weeks - sometimes longer.
5. KEI will inform you about which courses will be offered. It may be necessary to select additional courses.

Please speak with a KEI Program Manager before starting the course selection process. We will be glad to explain the education system at the University of Dar es Salaam and help you through the entire process.

DEPARTMENT OF AQUATIC ENVIRONMENT AND CONSERVATION

<i>Course Code</i>	<i>Course Title</i>	<i>Units</i>	<i>Semester</i>
AF 103:	Fishing Gear and Fish Capture Techniques	1	2
AQ 101:	Introduction to Aquatic Sciences	2	1
BL 113:	Ecology I	2	2
BT 111:	Introductory Botany	2	1
CH 113:	Chemistry for Life Sciences Students	3	1
DS 101:	Perspectives of Development I	2	1
DS 102:	Perspectives of Development II	2	2
EC 116:	Introduction to Microeconomic Analysis I	3	1
GY 100:	Introduction to Geology and Geological Processes	3	1
IS 131:	Introduction to Informatics and Microcomputers	2	2
MC 111:	Fundamentals of Microbiology	2	2
ZL 121:	Invertebrate Zoology	2	1
ZL 122:	Chordate Zoology	2	2
EC 126:	Introductory Microeconomic Analysis II	3	2
GY 120:	Earth Materials (Rocks and Minerals)	3	2
CL 107:	Communication Skills for Science Students	3	2
MT 161:	Matrices and Basic Calculus for Non Majors	3	1
WS 101:	Ecology and Utilization of Natural Resources	2	2
AV 200:	Practical Training 1	2	1
AF 204:	Fish Population Dynamics and Stock Assessment	2	1
AQ 202:	Plankton Systematics and Ecology	2	1
AQ 203:	Swimming and Snorkeling	1	1
AQ 212:	Oceanography	2	1
AQ 220:	Practicals in Oceanography	1	1
AQ 205:	Benthic Ecology	2	2
AQ 211:	Mangrove and Seagrass Ecosystems	2	2
AV 201:	Estuarine Ecology	2	2
AV 202:	Wetland Ecology	2	2

<i>Course Code</i>	<i>Course Title</i>	<i>Units</i>	<i>Semester</i>
BL 213:	Ecology II	2	1
BL 214:	Biostatistics I	2	2
EV 200:	Environmental Science I	2	1
GY 258:	Remote Sensing andGIS I	2	1
DS 211:	Entrepreneurship, Small Business and Development	2	
GY 228:	Introduction to Geochemistry	2	1
SC 215:	Scientific Methods	2	1
WS 204:	Community-based Conservation and Extension	2	2
AV: 300	Practical Training II	2	1
AF 305:	Fisheries Management and Conservation	2	1
AQ 302:	Limnology	2	1
AQ 304:	Aquatic Resources and Management	2	1
AQ 316:	Aquatic Pollution	2	2
AV 304:	Watershed Management	2	1
AV 399:	Research Project	2	1
BM 100:	Principles of Management and Administration	3	1
AQ 307:	Law of the Sea and Inland Waters	2	2
BT 323:	Algal Ecology and Systematics	3	2
EC 375:	Natural Resources and Environmental Economics I	3	2
GE 354:	Environmental Assessment	3	2
WS 301:	Conservation Biology	2	1
AF308:	Fisheries and Aquaculture Extension	2	2
AQ 301:	Plankton and Productivity	2	1
AQ 309:	Parasitology and Diseases in Fisheries	2	1
AQ 317:	Geological Oceanography	2	2
AF 302:	Biology of Shellfish	2	2
AQ 322:	SCUBA Diving	1	2
AQ 321:	Ecology of Coral Reefs	2	2
AQ 323:	Oceanography II	2	2
AQ 325:	Marine Survey Techniques	2	1
AV 311:	Contemporary Topics in Aq. Environment & Conservation	1	2
BL 313:	Biological Impact Assessment	2	1
BL 314:	Biostatistics II	2	2
EC 385:	Natural Resources and Environmental Economics II	3	2
GY 326:	Introduction to Hydrogeology	2	
MC 309:	Aquatic Microbiology	2	

DEPARTMENT OF FISHERIES SCIENCE AND AQUACULTURE

<i>Course Code</i>	<i>Course Title</i>	<i>Units</i>	<i>Semester</i>
AQ 101:	Introduction to Aquatic Sciences	2	1
AF 102:	Water Quality and Pollution Control	2	1
AF 103:	Fishing Gear and Fish Capture Techniques	1	2
BL 111:	Introductory Cell Biology and Genetics	3	1
BL 113:	Ecology I	2	2
BT 111:	Introductory Botany	2	1
CH 113:	Chemistry for Life Sciences Students	3	1
DS 101:	Perspectives of Development I	2	1
DS 102:	Perspectives of Development II	2	2
IS 131:	Introduction to Informatics and Microcomputers	2	2
MC111:	Fundamentals of Microbiology	2	2
ZL 121:	Invertebrate Zoology	2	1
ZL 122:	Chordate Zoology	2	2
BT 113:	Introduction to Plant Physiology	2	2
CL 107:	Communication Skills for Science	3	2
WS 100:	Ecology and Utilisation of Natural Resources	2	2
ZL 124:	Developmental Biology	2	2
AF 200:	Practical Training I	2	1
AF 201:	Marine Ecology	2	1
AF 202:	Ecology of Inland Waters	2	2
AF 203:	Principles of Aquaculture	2	2
AF 204:	Fish Population Dynamics and Assessment	2	1
AF 205:	Seed and Larval Production	2	1
AF 206:	Fish Processing Technology and Quality Assurance	3	2
AQ 202:	Plankton Systematics and Ecology	2	1
AQ 203:	Swimming and Snorkeling	1	1
BL 214:	Biostatistics I	2	2
BM 100:	Principles of Management and Administration	3	1
EC 116:	Introductory Microeconomic Analysis I	3	1
ZL 207:	Ichthyology	2	2
AQ 211:	Mangrove and Seagrass Ecosystems	2	1
BL 213:	Ecology II	2	1
BT 211:	Fundamentals of Soil Science	2	2

<i>Course Code</i>	<i>Course Title</i>	<i>Units</i>	<i>Semester</i>
DS 211:	Entrepreneurship, Small Business and Development	2	
EC 126:	Introductory Microeconomic Analysis II	3	2
EV 200:	Environmental Science I	2	1
MC 206:	Food Microbiology and Processing	3	2
SC 215:	Scientific Methods	2	1
ZL 228:	Parasitology I	2	2
AF 300:	Practical Training II	2	1
AF 301:	Aquaculture Systems	2	1
AF 302:	Biology of Shellfish	2	2
AF 303:	Fish Nutrition and Food Technology	2	2
AF 305:	Fisheries Management and Conservation	2	1
AF 306:	Project Planning and Management	2	2
AF 307:	Aquaculture Genetics	2	2
AF 308:	Fisheries and Aquaculture Extension	2	2
AF 309:	Fisheries Economics and Marketing	2	2
AF 399:	Research Project	2	1
AQ 304:	Aquatic Resources and Management	2	1
AQ 307:	Law of the Sea and Inland Waters	2	2
AQ 309:	Parasitology and Diseases in Fisheries	2	1
AV 304	Watershed Management	2	1
AF 310:	Fishing Gear Technology	2	1
AF 311:	Fishing Vessel Technology	2	2
AF 312:	Current Topics in World Fisheries and Aquaculture	1	2
AQ 321:	Ecology of Coral Reefs	2	2
AQ 322:	SCUBA Diving	2	2
AQ 325:	Marine Survey Techniques	2	2
BL 314:	Biostatistics II	2	2
BT 323:	Algal Ecology and Systematics	3	2
MC 309:	Aquatic Microbiology	2	