



**UNIVERSITY OF BOTSWANA**

**FACULTY OF SCIENCE**

**DEPARTMENT OF GEOLOGY**

**VACANCY NO. FS/c 3/2010: ASSOCIATE PROFESSOR –  
(HYDROGEOLOGY/HYDROLOGY)**

The Faculty of Science at the University of Botswana (Department of Geology) seeks to appoint an Associate Professor in Hydrogeology starting by August 1, 2010. The Department, which currently houses eleven academic and five support staff, has a particular strength in sedimentology, hydrogeology, hydrochemistry, hard-rock geology, exploration and environmental geophysics. Other relevant areas covered within the Department, include structural geology and tectonics. We have access both at the University of Botswana and in the country, to a wide range of mechanical and analytical equipment that are required to support research in these areas (mineral separation laboratory, engineering geology equipment, palaeomagnetic laboratory and geophysical equipment, EMU with EDEX and ICP-MS). The Department is teaching and research-orientated unit, with an emphasis on publication in top-quality journals and the supervision of graduate students.

**Duties:** The successful candidate will be required to: (i) teach courses in semi-arid and Arid Zone Hydrology/hydrogeology, integrated water Resources Management at undergraduate and graduate levels; (ii) provide academic leadership in the development, review and implementation of hydrology/hydrogeology curricula at graduate and undergraduate levels; (iii) supervise undergraduate and graduate research projects; (iv) undertake research in the field of specialization; (v) participate in administration and other activities of the Department of Geology, the Faculty of Science and the University.

**Requirements:** Candidates must: (i) possess a PhD in Hydrology/hydrogeology with special emphasis on arid zone Hydrology/hydrogeology; (ii) have at least 5 years university teaching experience or equivalent; (iii) show evidence of cumulative and sustained record of research and publication in hydrology/hydrogeology; (iv) have at least **12** publications, **8** of which are peer reviewed journal papers; (v) have lead and/or single authored in at least **6** refereed journal articles or book chapters; (vi) have evidence of academic leadership and evidence of service to the university, the profession and the community; (vii) have the ability to attract funding from international sources and this should be reflected in the profile; (viii) be able to manage a research team and engage in collaborative research

**Remuneration:** The University offers a competitive salary and benefits commensurate with experience and qualifications.

Full and up-to-date CV, and certified true copies of educational certificates transcripts and three references (**in sealed envelopes**) should be addressed to: **The Human Resources Manager, Faculty of Science, Private Bag UB 00704, Gaborone-Botswana; Telephone: (267) 355 2469; Fax (267) 318 5097; E-mail: [morapedip@mopipi.ub.bw](mailto:morapedip@mopipi.ub.bw) or [mapeorbm@mopipi.ub.bw](mailto:mapeorbm@mopipi.ub.bw)**. Applicants should inform their referees to: (i) **Quote the Vacancy number and position applied for** and (ii) **submit their references directly to the above address**, before the stipulated closing date.

Please note that applications with incomplete information shall not be acknowledged. **Hand delivered applications should be submitted to Office No. 132 at Block 233 (233/132).**

**CLOSING DATE:                   6<sup>th</sup> AUGUST 2010**

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**DEPARTMENT OF GEOLOGY**

**VACANCY NO. FS/c 4/2010: LECTURER - (METAMORPHIC PETROLOGY)**

The Faculty of Science at the University of Botswana (Department of Geology) seeks to appoint a Lecturer in Metamorphic Petrology starting by August 1, 2010. The Department, which currently houses eleven academic and five support staff, has a particular strength in sedimentology, hydrogeology, hydrochemistry, hard-rock geology, exploration and environmental geophysics. Other relevant areas covered within the Department, include structural geology and tectonics. We have access both at the University of Botswana and in the country, to a wide range of mechanical and analytical equipment that are required to support research in these areas (mineral separation laboratory, engineering geology equipment, palaeomagnetic laboratory and geophysical equipment, EMU with EDEX, and ICP-MS). The Department is teaching and research-orientated unit, with an emphasis on publication in top-quality journals and the supervision of graduate students.

**Duties:** The successful candidate will be expected to: (i) teach courses in Metamorphic Petrology and Igneous Petrology at undergraduate and graduate levels as well as Field Geology courses; (ii) supervise undergraduate and graduate research projects; (iii) undertake research in the field of specialization; (iv) provide academic leadership through the enhancement of teaching, research and community service or engagement activities of the department; (v) facilitate partnerships internally and externally; (vi) serve on committees within the university and external professional organizations; (vii) carry out any other responsibilities as may be assigned by the Head of Department.

**Requirements:** The candidate should: (i) have a Ph.D. in Metamorphic Petrology; (ii) show evidence of engagement in research. Experience in Igneous Petrology and Field Geology and teaching will be added advantages.

**Remuneration:** The University offers a competitive salary and benefits commensurate with experience and qualifications.

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**DEPARTMENT OF GEOLOGY**

**VACANCY NO. FS/c 5/2010: LECTURER - (STRUCTURAL GEOLOGY)**

The Faculty of Science at the University of Botswana (Department of Geology) seeks to appoint a Lecturer in Structural Geology starting by August 1, 2010. The Department, which currently houses eleven academic and five support staff, has a particular strength in sedimentology, hydrogeology, hydrochemistry, hard-rock geology, exploration and environmental geophysics. Other relevant areas covered within the Department, include structural geology and tectonics. We have access both at the University of Botswana and in the country, to a wide range of mechanical and analytical equipment that are required to support research in these areas (mineral separation laboratory, engineering geology equipment, palaeomagnetic laboratory and geophysical equipment, EMU with EDEX and ICP-MS). The Department is a teaching and research-orientated unit, with an emphasis on publication in top-quality journals and the supervision of graduate students.

**Duties:** The successful candidate will be expected to: (i) teach courses in Structural Geology at undergraduate and graduate levels as well as Field Geology courses; (ii) supervise undergraduate and graduate research projects; (iii) undertake research in the field of specialization; (iv) provide academic leadership through the enhancement of teaching, research and community service or engagement activities of the department; (v) facilitate partnerships internally and externally; (vi) serve on committees within the university and external professional organizations; (vi) carry out any other responsibilities as may be assigned by the Head of Department.

**Requirements:** The candidate should: (i) have a Ph.D in Structural Geology; (ii) show evidence of engagement in research. Experience and Field Geology and teaching will be added advantages.

**Remuneration:** The University offers a competitive salary and benefits commensurate with experience and qualifications.

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**VACANCY NO. FS/c 6/2010: X-RAY POWDER DIFFRACTOMETER (XRPD) SCIENTIST (2 YEAR CONTRACT)**

The Faculty of Science at the University of Botswana (Department of Geology) seeks to appoint an XRD Scientist starting August 1, 2010. The candidate would be required to run the Faculty of Science X-ray Powder Diffractometer (XRPD) facility, which is housed in the Department of Geology. The system is a 1993 Philips PW 3710 unit operated with an X'PERT software package.

**Duties:** The successful candidate will be expected to be in charge of the XRD lab and its day-to-day operations and to: (i) provide service to UB clients such as analyzing samples for students and academic staff and researchers from outside the University; (ii) teach and train students and academic staff in the use of the specialized facility; (iii) conduct basic and/or applied research using the specialized facility; (iv) conduct workshops on the use of their facility; (v) provide service to external clients; (vi) advertise UB specialized facilities on campus and externally; (vii) be involved in UB staff and students research projects; (viii) draw up annual budgets required for the running of the facility; (ix) carry out any other duties assigned by the Head of the Department of Geology.

**Requirements:** Candidates should: (i) have at least a PhD in Geology (Mineralogy) or related discipline; (ii) be able to demonstrate extensive experience of running XRPD equipment. A good record of research and publications will be an added advantage.

**Remuneration:** The University offers a competitive salary and benefits commensurate with experience and qualifications.

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**VACANCY NO. FS/c 7/2010: LECTURER - (SEDIMENTARY GEOLOGY/SEDIMENTARY PETROLOGY)**

The Faculty of Science at the University of Botswana (Department of Geology) seeks to appoint a Lecturer in Sedimentology starting by August 1, 2010. The Department, which currently houses eleven academic and five support staff, has a particular strength in sedimentology, hydrogeology, hydrochemistry, hard-rock geology, exploration and environmental geophysics. Other relevant areas covered within the Department, include structural geology and tectonics. We have access both at the University of Botswana and in the country, to a wide range of mechanical and analytical equipment that are required to support research in these areas (mineral separation laboratory, engineering geology equipment, palaeomagnetic laboratory and geophysical equipment, EMU with EDEX and ICP-MS). The Department is a teaching and research-orientated unit, with an emphasis on publication in top-quality journals and the supervision of graduate students.

**Duties:** The successful candidate will be required to: (i) teach courses in sedimentary Petrology at undergraduate and graduate levels as well as Field Geology courses; (ii) supervise undergraduate and graduate research projects; (iii) undertake research in the field of specialization; (iv) provide academic leadership through the enhancement of teaching, research and community service or engagement activities of the department, (v) be able to facilitate partnerships internally and externally, (vi) serve on committees within the university and external professional organizations and (vi) carry out any other responsibilities as may be assigned by the Head of Department.

**Requirements:** The candidate should: (i) have a Ph.D in Sedimentology; (ii) show evidence of engagement in research. Experience and Field Geology and teaching will be added advantages.

**Remuneration:** The University offers a competitive salary and benefits commensurate with experience and qualifications.

Full and up-to-date CV, and certified true copies of educational certificates transcripts and three references (**in sealed envelopes**) should be addressed to: **The Human Resources Manager, Faculty of Science, Private Bag UB 00704, Gaborone-Botswana; Telephone: (267) 355 2469; Fax (267) 318 5097; E-mail: [morapedip@mopipi.ub.bw](mailto:morapedip@mopipi.ub.bw) or [mapeorbm@mopipi.ub.bw](mailto:mapeorbm@mopipi.ub.bw)**. Applicants should inform their referees to: (i) **Quote the Vacancy number and position applied for** and (ii)

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