

Job Description

Job Title:	Director, Mapping, Analysis and Design
Department:	Mapping, Analysis and Design
Reports To:	Dean of the Faculty of Environment
Jobs Reporting:	Technical and Client Services Portfolios Manager, Windows Systems Administrator, IST Account Rep
Salary Grade:	USG 14
Effective Date:	June 2020

Primary Purpose

The Director leads the Mapping, Analysis and Design (MAD) unit in two mission-critical and increasingly related 'pillars of support.' These pillars – which are core to the realization of the Faculty of Environment's strategic goals – are 1) Information Technology and 2) Pedagogical support. Pedagogical support includes traditional instructional support and a wide range of experiential learning opportunities which leverage MAD's diverse human and physical resources. Additionally, the Director actively collaborates on campus-wide projects and assumes a leadership role in projects affecting both the Faculty and the campus at-large.

Key Accountabilities

Management

- Recruit, manage and supervise staff to maintain MAD's high level of excellence.
- Establish, communicate, and maintain operating guidelines and procedures for staff in alignment with University policies and procedures.
- Supervise staff from other units (such as the Faculty Liaison staff from Information Systems and Technology) assigned to work in MAD.
- Liaise with staff from other units (such as the Centre for Teaching Excellence), who work with MAD.
- Direct staff training and professional development opportunities to assist in the achievement of their career path objectives and the provisioning of resources necessary to meet the current and future needs of the Faculty.
- Provide staff with a productive work environment and career opportunities. Maintain a cooperative and collegial workplace.
- Promote a co-operative, collegial approach to problem solving.

Pedagogical (instructional and experiential) support

- Provide faculty with instructional and experiential support that currently has a focus in geomatics, and design disciplines, and the makerspace and multimedia facilities.
- Proactively pursue growth options within the Faculty for new areas of instructional support, collaborate with senior leadership to prioritize these areas, and assess methods to provide them.
- Seek out, expand and support experiential learning opportunities for students. Provide environments/infrastructure and staffing skillsets to achieve these opportunities.
- Monitor curriculum directions in the Faculty to identify emerging opportunities for instructional support and experiential learning, and develop ways to realize and support those opportunities.
- Seek out and forge cross-campus collaborations in experiential learning.

Infrastructure, service and support

- Ensure all information technology in the Faculty conform with function and direction as set out by the Dean, and University-wide steering and advisory committees.
- Ensure a fully functional, computing environment is available to all students, staff, faculty, and visitors in the Faculty.
- Advise and make recommendations on IT purchases in the Faculty.
- Accountable for budget resource allocation and managing the implementation, maintenance, and retirement of systems, software, and technology services for the Faculty.
- Co-ordinate projects and technical activities within MAD. Ensure broad-based initiatives related to technology at the University involve MAD staff as appropriate and take Faculty needs into account.
- Direct the development of software and systems for instructional, research, and administrative purposes. Work directly with faculty and staff to specify, write or adapt programs and configurations to meet business needs.
- Participate in the ongoing technical work of MAD.

Technology leadership

- Represent the Faculty on campus-wide committees, including the Computing Technology Steering Committee (CTSC) and assign staff to University-wide committees and projects.
- Provide technological leadership and continuity of direction to the department.
- Assess current technology advances as they might affect or enhance the Faculty's computing environments.
- Identify the needs of the user community and work with MAD staff to prioritize and meet these needs.
- Interact with vendors to ensure the technology needs of the Faculty are met sustainably.

**All employees of the University are expected to follow University and departmental health and safety policy, procedures and work practices at all times. Employees are also responsible for the completion of all health and safety training, as assigned. Employees with staff supervision and/or management responsibilities will ensure that assigned staff abide by the above, and actively identify, assess and correct health and safety hazards, as required.*

Required Qualifications

Education

- University degree in a field related to computing technology or equivalent education and experience in the field is required. Graduate university degree in the field of Environment is preferred.

Experience

- 10+years of progressive experience within the field of information technology and significant experience within the area of pedagogical support. Must have extensive direct supervisory experience, including mentoring, and developing teams and experience influencing senior level management and key stakeholders. Demonstrated leadership, strategic planning, negotiation, communication, interpersonal, analytics, and organizational skills. Experience in broad-based computational technology management in an academic environment.
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Knowledge/Skills/Abilities

- Excellent management, leadership, team-building and interpersonal skills.
- Ability to apply abstract thinking to develop and execute strategic plans for the unit – especially within a rapidly changing academic landscape – with focus on both IT and pedagogical support.
- A demonstrated understanding of technology (including but not limited to computational, geospatial, multimedia, makerspace) and how it applies to teaching and research undertaken within the Faculty and its impacts on pedagogical support.
- Demonstrated understanding of the nature of the academic disciplines within the Faculty (including the geomatics, and design disciplines, the makerspace and multimedia facilities, and the environmental sciences), and how pedagogical support can be leveraged for these disciplines
- Excellent verbal and written communication skills.
- Ability to manage multiple responsibilities with conflicting priorities and deadlines is required.
- Proven ability to work collaboratively with campus and Faculty management teams.
- Ability to recognize implications of change in technologies and directions and proactively align unit resources to support the emerging changes.
- Detailed planning and organization of large and complex projects.
- The Director is a working member of the MAD team and will apply their expertise in one or more technological and/or pedagogical support disciplines.

Nature and Scope

Contacts:

Strong leadership, team building and project management skills. Excellent verbal and written communication skills, including the ability to communicate technical concepts to a wide variety of technical and non-technical audiences. Demonstrated ability to influence, and develop relationships at multiple levels across a wide range of functions within the Faculty, across the University, and with external providers of goods and services.

Level of Responsibility:

Provides strategic direction for the development and implementation of technology and of pedagogical support for the Faculty. Responsible for the budgeting, planning and implementation of IT infrastructure and applications to meet current and projected needs for the Faculty and related clients. Working with the Faculty's Administrative Committee, lays the ground work for Faculty's growth of pedagogical support. Provide general management and leadership to the MAD staff, and coaching and mentorship to IT staff who work with MAD. Influence campus-wide decisions on the selection, implementation, and management of technology.

Decision-Making Authority:

Establish technology standards and direction for the Faculty in consultation with peers and key stakeholders. Prepare plans, budgets for IT purchases for the Faculty.

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Physical and Sensory Demands:

Minimal demands typical of a senior leadership position operating within an office environment.

Working Environment:

The Director normally works in an office environment on a computing workstation, but often spends time meeting with peers, clients, and key stakeholders throughout the university, including occasional off-site trips. Work is normally carried out during UW business hours, with infrequent work on evenings, weekends, and holidays if emergencies or other conditions warrant.

* Performs other duties and assists with special projects as assigned.