NDSU INFORMATION TECHNOLOGY

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TECHNOLOGY FEE ADVISORY COMMITTEE MEETING

Wednesday, March 2, 2016, 3 p.m.
Quentin Burdick Building Conference Room 206E

Meeting notes – approved by electronic consensus on March 14, 2016

Present: Rian Nostrum, TFAC Chair; Mari Borr, Danielle Collison (proxy for Lauren Singelmann), Anne Denton, Viet Doan, Mohana Asha Dubasi, Preston Gilderhus, Tanya Kramer, John Pollock, Michael Russell, Micah McGowen (for Melissa Stotz), Aaron Weber (proxy for Jacob Dailey), CeCe Rohwedder

Unable to attend: Jacob Dailey, Jim Hammond, Jessie Lee, Lauren Singelmann, David Wittrock

1. Welcome

2. **M to approve the notes of the 12/01/15 meeting (Dubasi/Russell); MSC.**

3. Student Technology Fee increase request update: the student tech. fee increase request was not approved.

4. Action Plan general discussion (primary reviewers in parentheses):
    A. #1611, Biological Sciences: "Laptop computers for Biological Sciences instruction." $85,900 requested (Preston).
    The computers used in Dunbar, purchased through the cascade program and very old, cannot be moved to the new teaching and lab spaces in the STEM building; the Provost denied the department's request for funds for this. Purchase of only 12 laptops for General Biology Labs 1 and 2 would be acceptable, one each for a group of four students, for a revised budget of $16,380. Cost to continue would be covered by course fees.

    B. #1601, Mathematics: "Screencasting mathematics tutorial videos to supplement classroom instruction." $10,000 requested (Jim; he provided his comments to Nostrum) The machines would be used for two applications, and Tegrity would be used. The question arose of whether other departments could also use this equipment; typically such equipment stays within the department that acquired it. Another question raised was whether the videos would be used only during a given semester, or if they would be available to students for longer term, and if the latter, where they would be stored. It was

noted that recording of these tutorial videos could take place at the Technology Learning and Media Center.

C. #1602, MU Gallery: "Visual technology tools for interaction with the Gallery." $3,465.90 requested (Aaron reporting for Jacob)
The project asks for funds for equipment that would make the displays a little more interactive and provide a better content experience, something which is a national trend and attracts more people. More classes have been incorporating the Gallery in their curricula. The Student Technology Commission reviewed all the Action Plans and was particularly in favor of this one.

D. #1603, Public Health: "Expanding the reach of IVN." $19,179 requested (Mari)
Currently there are IVN rooms in the basements of EML and QBB, but the seating is fixed; the department wants it to be flexible and interactive and wants to add an IVN room in the STEM building (the specific location in the latter was not identified, but the non-SCALEUP rooms were constructed for potential incorporation of IVN technology and the corresponding physical layout). Other departments would be able to use these resources. Distance students would particularly benefit, and remote access would increase diversity at NDSU. If partial funding was awarded, the department would seek to obtain the remainder from other sources. Moving the IVN technology from an EML room to one in the STEM building is not an option due to the agreement with ITD that restricts their use and availability.

E. #1604, HNES: "Human Performance Lab Technology." $9,317.50 requested (Mohana)
The IT Division does not provide no-charge services to this class since it is only used by HNES. Currently the computer available to the class does not meet the needs and is need of an update. The department wants to collaborate with other departments and make the space available to other classes as well.

F. #1605, HNES: "Golf simulation teaching and training lab." $39,900 requested (Anne)
The number of students impacted directly and indirectly would be limited to those in the program, though there is potential for its availability outside the program. The technology is available off-campus in the Fargo community.

[Preston left the meeting, at 3:45 p.m.]

G. #1606, Finance & Admin./AFIS: "Microsoft Office specialist certification course for students." $3,500 requested (Michael)
This would be available to all students (there is a separate set of licenses for faculty and staff), and there are plans for a course to be created. Certification would be beneficial to students entering the work force. The Student Technology Commission is supportive of this Action Plan.

H. #1607, Communications/OTL: "Scaling up Minard." $81,724 requested (Viet)
This project involves moving the technology from Dunbar 152 into Minard 112, adjusting the seating of the latter, and obtaining new technology for the former, for more efficient and effective use of each space. If only partial funding is possible, $25,000 would get the project off to a good start, and the two departments would seek other funding. Dunbar Hall will likely be replaced within the next 5-7 years.

I. #1608, Libraries: "Computers and DVD drives for main library group study rooms."

$5,339 requested (Jessie; Michael reported on her behalf)
The Student Technology Committee questioned whether it was wise to invest in a technology that is becoming obsolete. The DVDs are being used now, and a lot of laptops don't have DVD drives anymore, but they are catalogued as reference items, so they cannot be removed from the Library. Purchasing external DVD drives for computers that don't have them might be an alternative worth considering. The computers in the Action Plan are desktop machines that would stay in the specific group study rooms.

J. #1609, ECE: "Remote student access to ECE software." $20,243.50 requested (Tanya)
Currently students have to go to a lab to access the software. This is a pilot project to determine future needs in terms of licenses and servers necessary. Most peer institutions have had remote access for some time. Resolving the two-factor authentication issue would be necessary for success of this model.

K. #1610, Theatre Arts: "Digital fabrication for Theatre Arts scene shop lab." $29,444 requested (John)
The project would obtain a machine for creation of scene components, which is the current standard for the field. A smaller option is available for approximately $24,000, so if partial funding only is available, that would suit the needs to a certain, though limited, extent. The equipment would be made available to students from other departments, though extensive training would be needed.

L. #1612, Geosciences/ALA: "Augmented reality sand table." $13,625 requested (Lauren; report provided by Danielle)
Five tables are planned for use in Geosciences and ALA. This is fairly new technology – there are only 100 such tables in use nationally. There are plans for utilizing these tables in outreach activities, which would also make for a good recruiting tool. This project aligns well with the TFAC emphasis on innovation.

5. Action Plan consideration for funding:
   A. #1601: M to fund at zero (Dubasi/Denton).
   Discussion: there are a lot of questions to be answered, as identified during the general discussion. Making use of existing campus resources should have been considered by the department.
   MSC unanimously.

   B. #1602: M to fully fund at $3,465.90 (Dubasi/Russell). MSC unanimously.

   C. #1603: M to fund at zero (Dubasi/Pollock).
   Discussion: more comprehensive preparation and detail (for example, which room is to be reconfigured, other options, etc), would be helpful to provide should the Action Plan be resubmitted at a later funding cycle.
   MSC unanimously.

   D. #1605: M to fund at zero (Denton/Weber).
   Discussion: there are interesting business models that can be used to make use of similar technology in the Fargo community.
   MSC unanimously.

E. #1606: M to fully fund at $3,500.00, guaranteeing that the licenses purchased with the funds for student use only (Russell/Dubasi). MSC unanimously.

F. #1607: M to fund at zero (Dubasi/Russell).
Discussion: there is a genuine need in the Minard room. Even though the project is not innovative, it would provide a new form of learning that would benefit a lot of students. M (Weber/Denton) to amend the motion to provide funding at $25,000 contingent upon the department securing the remaining funds necessary from other sources. MSC unanimously.
Original motion was revised to fund at $25,000 and table it for consideration at the end of the meeting.

G. #1608: M to fund at zero (Dubasi/Borr).
Discussion: there are other options available that would be less costly to the department. Also, there is no innovation in this project.
MSC unanimously.

H. #1610: M to fund at zero (Denton/Dubasi).
Discussion: there are safety concerns, and since extensive training is needed in order to operate the machine, its use would be limited.
MSC unanimously.

I. #1611: M to fund at zero (Russell/Weber).
Discussion: this is basically a project for refresh costs, which does not meet the TFAC criteria for funding. It is unfortunate that the department was not aware of the funding parameters for the student technology fee.
MSC unanimously.

J. #1612: M to fully fund at $13,625.00 (Russell/Denton).
Discussion: this would be a good recruiting tool, and collaboration between two departments.
MSC unanimously.

[Aaron Weber left the meeting, at 5 p.m., indicating prior to leaving that he was not in favor of funding #1609]

K. #1609: M to fully fund at $20,243.50 (Denton/Russell). Voting: Yes: 5; No: 5. the Chair broke the tie by voting yes. MSC.

[Tanya Kramer left the meeting, at 5:10 p.m.]

L. #1604: M to fund at $9,165.60, which is the remainder of the funds available to award (Dubasi/Pollock). MSC unanimously.

M. #1607: continuation of consideration of the tabled Motion to fund at $25,000. Voting: Yes: 1; No: 6. Motion failed.

The meeting was adjourned, at 5:20 p.m.