



January 20, 2014
7:00pm – 9:00pm
EngCom

Minutes – Finance Committee Meeting #10

1. Review – Levy Fund Proposals

a. Chemical Engineering

- i. **Digital Manometers (\$3,500 total cost):** The Finance Committee is in favour of this project. We believe that it is important for students to have access to industry standard equipment. We will recommend that \$2,333.33 be allocated towards this project.
- ii. **New Computers (\$7,500 total cost):** The Finance Committee is in favour of this project. Additional computers, particularly in new areas, are very useful to undergraduate students. We will recommend that \$5,000.00 be allocated towards this project.
- iii. **Gas Chromatograph (\$23,000 total cost):** The Finance Committee is in favour of this project. We believe that adding a new type of experiment to the course to allow for unification of experiments will enhance the students understanding of the process as well as the individual experiments. We will recommend that \$15,333.33 be allocated towards the project.
- iv. **Hot Oil System (\$23,200.00 total cost):** The Finance Committee is in favour of this project. We believe that allowing the lab to function at a higher level is a definite improvement. We will recommend that \$15,455.67 be allocated towards the project.

b. Civil and Mineral Engineering

- i. **Concrete Test Hammer (\$9,218.56 total cost):** The Finance Committee is in favour of this proposal. We believe that it is important for students to have access to industry standard equipment. We will recommend that \$6,145.71 be allocated towards this project.
- ii. **Fishfinder (\$573.45 total cost):** The Finance Committee is in favour of this proposal. We believe that this will improve the student experience at survey camp. We will recommend that \$382.30 be allocated towards this project.
- iii. **Drone (\$1,345.00 total cost):** The Finance Committee is not in favour of this proposal. It appears from the proposal that students will never actually get to use this equipment. The Finance Committee will recommend that this proposal not be funded.



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- iv. **Disk Drive Upgrade (\$18,080.00 total cost):** The Finance Committee is not in favour of this proposal. We felt that it is not necessary to have all ECF programs in a lab that is accessible only to mineral (and occasionally civil) engineering students. In addition, the quotations did not match the budget submitted and there was no plans for what to do with the ~\$10,000 worth of equipment that would be left over. The Finance Committee will recommend that this proposal not be funded.
 - v. **Tricorder (\$14,394.07 total cost):** The Finance Committee is in favour of this proposal. We believe that the addition of a practical component to this course will enhance understanding of the subject matter. We will recommend that \$9,596.05 be allocated towards this project.
 - vi. **Compass (\$2,224.41 total cost):** The Finance Committee is in favour of this proposal. We believe that these will improve the student experience at survey camp. We will recommend that \$1,482.94 be allocated towards this project.
 - vii. **Thermometer (\$2,056.60 total cost):** The Finance Committee is in favour of this proposal. We believe that these will improve the student experience at survey camp. We will recommend that \$1,371.07 be allocated towards this project.
 - viii. **Prism Poles (\$2,147.00 total cost):** The Finance Committee is not in favour of this proposal as we felt that this represents an operational expense. We will recommend that this proposal not be funded.
 - ix. **PA Speaker (\$520.00 total cost):** The Finance Committee is in favour of this proposal. We believe that this will have a positive impact on demonstrations in the labs. We will recommend that \$346.67 be allocated towards this project.
 - x. **Webcams (\$226.00 total cost):** The Finance Committee is in favour of this proposal. We believe that this will have a positive impact on demonstrations in the labs. We will recommend that \$150.67 be allocated towards this project.
 - xi. **Lockers (\$4,620 total cost):** Our understanding is that this proposal will be fully funded by a donor. As such, we did not consider it when going over the proposals.
- c. **Electrical and Computer Engineering**
- i. **Fundamentals Lab (\$72,144.00 total cost):** The Finance Committee is in favour of this project. We felt that this project will enhance student understanding of course material. We will recommend that \$48,096.00 be allocated towards this project.
 - ii. **Design Center (\$54,622.00 total cost):** The Finance Committee is in favour of this project. We believe that allowing students easier access to resources will benefit their undergraduate experience. We will recommend that \$36,414.67 be allocated towards this project.
 - iii. **Control Lab (1) (\$11,517.05 ECE cost portion):** The Finance Committee is not in favour of this project. We believe that spare parts for equipment is an



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operational expense and should be covered by the department. We will recommend that this proposal not be funded.

- iv. **Control Lab (2) (\$2,366.26 ECE portion of cost):** The Finance Committee is in favour of this project. We feel that this project will improve the lab experience for undergraduate students. We will recommend that \$1,577.51 be allocated to ECE for this project and that a further \$323.16 be allocated to Engineering Science.
 - v. **Control Lab (3) (\$2,473.04 ECE portion of cost):** The Finance Committee is not in favour of this project. We believe that software licenses are an operational expense and should be covered by the department. We will recommend that this proposal not be funded.
 - vi. **Communications Lab (\$5,191.00 ECE portion of cost):** The Finance Committee is in favour of this project. We believe that it is important for students to have access to industry standard equipment. We will recommend that \$3,460.67 be allocated to ECE for this project and that a further \$1,216.00 be allocated to Engineering Science.
 - vii. **Energy Systems Lab (\$1,078.00 ECE portion of cost):** The Finance Committee is in favour of this project. We believe that allowing students easier access to resources will benefit their undergraduate experience. We will recommend that \$718.67 be allocated to ECE for this project and that a further \$440.00 be allocated to Engineering Science.
 - viii. **Advanced Electronics Lab (\$25,816.00 ECE portion of cost):** The Finance Committee is in favour of this project. We believe that it is important for students to have access to industry standard equipment. We will recommend that \$17,210.67 be allocated to ECE for this project and that a further \$7,029.33 be allocated to Engineering Science.
 - ix. **DES Lab (\$143,741.00 total cost):** The Finance Committee is in favour of this project. We believe that the addition of this new lab will be a large benefit to the undergraduate experience. We will recommend that \$95,827.33 be allocated to this project.
 - x. **Drop-in Lab (\$1,200 total cost):** The Finance Committee is in favour of this project. We believe that it is beneficial to make it easier for students to complete their assignments. We will recommend that \$800.00 be allocated for this project.
- d. **IBBME**
- i. **Fundamentals Lab (\$63,344.35 total cost):** The Finance Committee is favour of this request. We think that this will be a good addition to the current facilities. However we would consider the Autocad software licenses and the coloured spool abs filaments to be consumable / operational expenses and outside the



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scope of the fund. Therefore, we will recommend that \$40,786.14 be allocated towards this project.

e. **Mechanical and Industrial Engineering**

- i. **HA411 Study Space (\$209,600.00 total cost):** The Finance Committee is in favour of this proposal. We felt that this was a great project to help address the need for good study spaces on campus. We will recommend that \$104,800.00 be allocated towards this project.
- ii. **Computer Replacement (\$34,710.90 total cost):** The Finance Committee is in favour of this proposal. As computers are becoming necessary for more and more courses, we felt that it is important to increase student access. We will recommend that \$23,140.60 be allocated towards this project.
- iii. **Computing Expansion (\$11,570.30 total cost):** The Finance Committee is not in favour of this proposal. We did not feel that this is a very useful addition, at most times of day it is possible to go to an ECF lab and print without waiting. These computers would have limited use otherwise because of the set-up. We will recommend that this proposal not be funded.
- iv. **Printer Expansion (\$5,628.24 total cost):** The Finance Committee is in favour of this proposal. We felt that while number of computers is often not an issue for printing, it is sometimes the case that the queue is prohibitively long. We will recommend that \$3,752.16 be allocated towards this proposal.
- v. **Lathe (\$17,995.00 total cost):** The Finance Committee is in favour of this proposal. We felt that this proposal would be useful to students and clubs doing machining. However during consultation with the clubs it was brought up that only MIE students can use the shop. We will recommend that \$11,996.67 be allocated towards this proposal.
- vi. **Arena Simulator (\$550.00 total cost):** The Finance Committee is not in favour of this proposal. We felt that this proposal was an operational expense, not a capital one and is thus not eligible for levy fund investment. We will recommend that this proposal not be funded.

f. **MSE**

- i. **Atomic Force Microscope (\$46,304.20 in total cost):** The Finance Committee is in favour of this project. We felt that this project was really innovative and will enhance the student experience. We will recommend that \$23,152.10 be allocated towards this project.
- ii. **StereoMicroscope Touch Screen (\$4,228.46 in total cost):** The Finance Committee is in favour of this project. We felt that this project is particularly beneficial as it is one of the few that will impact first year students. We will recommend that \$2,114.23 be allocated towards this project.



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- iii. **Printer (4,073.65 in total cost):** The Finance Committee is in favour of this project. We felt that this project is beneficial as printers are often in high demand by students. We will recommend that \$2,036.83 be allocated towards this project.

g. **Engineering Science**

- i. **Design Build Test Project (\$3,900.00 total cost):** The Finance Committee is not in favour of this project. The levy fund is not intended for purchase of consumable goods. We will recommend that this project not be funded.
- ii. **Large Scale Wood Tests (\$4,700.00 total cost):** The Finance Committee is not in favour of this project. The levy fund is not intended for purchase of consumable goods. We will recommend that this project not be funded.
- iii. **Aluminum Buckling Tests (\$550.00 total cost):** The Finance Committee is not in favour of this project. The levy fund is not intended for purchase of consumable goods. We will recommend that this project not be funded.
- iv. **Communications Lab (\$1,824.00 EngSci portion of cost):** The Finance Committee is in favour of this project. We believe that it is important for students to have access to industry standard equipment. We will recommend that \$3,460.67 be allocated to ECE for this project and that a further \$1,216.00 be allocated to Engineering Science.
- v. **Advanced Electronics Lab (\$10,544.00 EngSci portion of cost):** The Finance Committee is in favour of this project. We believe that it is important for students to have access to industry standard equipment. We will recommend that \$17,210.67 be allocated to ECE for this project and that a further \$7,029.33 be allocated to Engineering Science.
- vi. **Control Lab (1) (\$3,636.95 EngSci portion of cost):** The Finance Committee is not in favour of this project. We believe that spare parts for equipment is an operational expense and should be covered by the department. We will recommend that this proposal not be funded.
- vii. **Control Lab (2) (\$484.74 EngSci portion of cost):** The Finance Committee is in favour of this project. We feel that this project will improve the lab experience for undergraduate students. We will recommend that \$1,577.51 be allocated to ECE for this project and that a further \$323.16 be allocated to Engineering Science.
- viii. **Control Lab (3) (\$2,903.13 EngSci portion of cost):** The Finance Committee is not in favour of this project. We believe that software licenses are an operational expense and should be covered by the department. We will recommend that this proposal not be funded.
- ix. **Energy Systems Lab (\$660.00 EngSci portion of cost):** The Finance Committee is in favour of this project. We believe that allowing students easier access to resources will benefit their undergraduate experience. We will recommend that



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\$718.67 be allocated to ECE for this project and that a further \$440.00 be allocated to Engineering Science.

- x. **DE2 Boards (\$6,619.86 total cost):** The Finance Committee is in favour of this project. We believe that increasing the resources available to students is important and beneficial. We will recommend that \$4,413.24 be allocated to this project.
 - xi. **In-Plane Shearing Test (\$14,690.00 total cost):** The Finance Committee is not in favour of this project. As this is a graduate level course with only 30 students enrolled, we do not believe that there are sufficient undergrad students (grad students do not pay into the levy fund) to justify the cost of this project. We will recommend that this project not be funded.
 - xii. **New Software (\$851.43):** The Finance Committee is in favour of this project. We felt that the project will improve the experience of first year engineering science students. We will recommend that \$567.62 be allocated to this project.
 - xiii. **Elastic Properties of Solids Experiment (\$1,955.18 total cost):** The Finance Committee is in favour of this project. We believe that this project will benefit the students, however only the apparatus is eligible for the levy fund. We will recommend that \$823.39 be allocated towards this project.
 - xiv. **X-Ray Tube (\$7,283.00 total cost):** The Finance Committee is not in favour of this project. We believe that 6 students are not sufficient to justify the cost of this project. We will recommend that this proposal not be funded.
 - xv. **Aerospace and Design Lab Upgrades (\$11,520.00 total cost):** The Finance Committee is not in favour of this project. No new information was provided to give an understanding of what the upgrades were. We will recommend that this project not be funded.
- h. **Space**
- i. **Bahen Student Study Seating:** The Finance Committee did not feel that there was enough information at this time to make an informed decision.