



Astronomy & Physics

Program Review - Annual Update

2022 - 2023

Astronomy & Physics - Annual Update

Astronomy & Physics - Goals and Resource Requests

Goals

Goal Status

1 - New (PR)

Goal Title

Update observatory to astrophotography capability.

Goal Description

The observatory needs to be able to record quality photographs of objects observed for our online students. The capability will also allow for additional student projects, as well as potential expansion of curriculum.

Program Review Cycle When the Goal Begins

2022 - 2023

Who's Responsible for this Goal?

Attila Elteto

Resource Requests

Item Requested

Telescope Camera for Astrophotography

Item Description

ZWO ASI294MC, or equivalent, <https://optcorp.com/products/zwo-asi294mc-p>, plus accessories for adaption

Status

New Request - Active

Type of Resource

Supplies (Items less than \$5000)

Cost

\$1200

One-Time or Recurring Cost?

One - Time Cost

Critical Question: How does this resource request support closing the equity gap?

Canada Astronomy is offering its classes both in-person and online. The online students (frequently working adults) usually can't come to campus to access our observatory, and hence don't get the same experience with our telescopes. Attaching this camera to our telescopes, and using its images for quality virtual observations will help the online students learn from viewing experience close to equivalent to the in-person students. Quality astrophotography will also open up more opportunities for additional student projects involving observations.

Critical Question: How does this resource request support Latinx and AANAPISI students?

Latinx and AANAPISI students are frequently the online working students we are trying to reach, who can't come to campus and take full advantage of our available facilities.

Astronomy & Physics - Goals and Resource Requests

If requesting Personnel please complete the New Classified Hiring/Position Justification or the New Faculty Position Proposal Below.

NEW CLASSIFIED HIRING/POSITION JUSTIFICATION

Justification

This position has been reviewed by the department or division and is recommended for hiring.

NEW FACULTY POSITION PROPOSAL

C. Program Vitality and Viability

D. What is the evidence of student demand to justify the proposed position?

Goals

Goal Status

1 - New (PR)

Goal Title

Promotion of Canada Astronomy to the Community

Goal Description

Offering events, workshops, and access to Astronomy resources in order to promote Canada College in general, and Astronomy in particular in the surrounding community. The primary goal is to increase enrollment in classes, but also in general to enhance community support.

Program Review Cycle When the Goal Begins

2022 - 2023

Who's Responsible for this Goal?

Attila Elteto

Resource Requests

Item Requested

Outreach and Marketing collaboration

Item Description

This is an explicit offer/request to both the Outreach and Marketing offices to arrange for any outreach/promotional events using the resources of Canada Astronomy, particularly our Observatory. Easy, evening telescopic observation events can be offered to school classes, or other groups of targeted interest to Outreach and Marketing. I can also offer public talks on their site, if arranged on request.

Status

New Request - Active

Type of Resource

Advertising

Cost

Probably a few hundred dollars per event. The cost would be calculated by college policy, and mostly incurred by the requesting party.

One-Time or Recurring Cost?

Recurring Cost

Critical Question: How does this resource request support closing the equity gap?

Public outreach is important to raise awareness of science in general, and our college's offerings in particular. Demographics (especially Latinx and AANAPISI) that need to be targeted for such awareness by Outreach and Marketing would benefit the most.

Critical Question: How does this resource request support Latinx and AANAPISI students?

See above in justification for closing the equity gap.

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