Student Learning Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 7: Effective researchers
Training doctoral students to be effective researchers in Materials and Nanoscience

Related Measures

M 7: Assess annually numbers of students
Assess annually numbers of students in the program, graduations and completer rates as well as students’ success in dissemination of their scientific work.

Source of Evidence: Administrative measure - other

Target:
Strive for 100% program completion. Monitor the number of presentations students give at national meetings and number of first author publications. Each student should have at least one each prior to completion of their degree program.

SLO 8: Industrial internships
Provide graduate students real-life job experiences through industrial internships

Related Measures

M 8: Assess numbers of students accepted as interns
Assess annually the numbers of students accepted as interns in industrial R&D laboratories

Source of Evidence: Administrative measure - other

Target:
10% increase annually

Other Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

O/O 1: Annual funding
Increase federal and state funding annually by 25%

Related Measures

M 1: Funding assessments
Funding levels will be assessed quarterly as part of our 3 month review process

Source of Evidence: Administrative measure - other

Target:
25% increase in funding over the next 12 months

O/O 2: AMRI national/international profile
Increase AMRI national/international profile by increasing publications/presentations and impact of the publications. Numbers of presentations and publications should increase annually by 10% averaged out over the number of faculty. Numbers of citations should also increase by 10% annually. Increase the number of publications in higher impact journals.

Related Measures

M 2: Publications and presentations will be tallied
New publications and presentations will be tallied quarterly; numbers of citations will also be followed. Increase the number of publications in higher impact journals.

Source of Evidence: Activity volume

Target:
10% increase annually in number of publications, presentations, and citations per faculty members. Also increase the average impact factors of the journals published in by 10%.

O/O 3: Collaborative projects
Increase collaborative projects both within and outside the University. Collaborations will be three pronged: academic, government and industrial. AMRI has a long history of collaborative projects. Maintaining current level will be challenging in itself.

Related Measures

M 3: Collaborative projects will be tallied
Collaborative projects will be tallied annually

Source of Evidence: Activity volume

Target:
5% increase annually in collaborative projects. This will be assessed based on numbers of outside investigators and academic, industrial and government partners involved.
O/O 4: Increase number of graduate students
Increase numbers of Ph.D. graduate students by 10% each year

Related Measures

M 4: Numbers will be tabulated
Numbers will be tabulated annually
Source of Evidence: Administrative measure - other
Target:
10% increase annually

O/O 5: Efficient management
Efficient management of purchasing operations

Related Measures

M 5: Timing
Time elapsed between request and final processing
Source of Evidence: Administrative measure - other
Target:
80% of actions within seven working days

O/O 6: Effective and timely support
Effective and timely support for principal investigators to complete financial matters

Related Measures

M 6: Survey
Survey completed by principal investigators
Source of Evidence: Administrative measure - other
Target:
80% satisfaction rate overall