

University of California, Irvine
Mentor Assessment of
The Integrated Micro/Nano Summer Undergraduate Research Experience (IM-SURE)
Summer, 2005

Dear IM-SURE Mentor:

Please take a few moments to share your thoughts and opinions regarding the 2005 IM-SURE Program. Your feedback and recommendations will be especially helpful as we start to plan for next summer's Program. Thank you!

G. P. Li, Principal Investigator
Said M. Shokair, Managing Director

Part I: Mentor Information

	Faculty Mentor	Non-Faculty Mentor
1) Mentor Relationship to IM-SURE Student.	<input type="checkbox"/>	<input type="checkbox"/>

Part II: Applicant Selection

Please indicate your level of agreement with the following statements regarding the applicant selection process.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unable to Comment
2) I was able to select this student from a qualified group of applicants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) The online application information provided me with all the necessary information I needed to select participants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) The student's skill set, as described in their application, met my expectations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) The student's background and undergraduate major fit my research needs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6) Please provide any suggestions to help improve the applicant selection process.	
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Part III: Overall Program Structure

Please indicate your level of agreement with the following statements regarding the overall Program structure.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unable to Comment
7) Lectures held in the first week provided the student with a valuable orientation to the field.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) The Program's seminars and workshops effectively helped students continue to build knowledge and skills that were beneficial to their research experience.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) The Program schedule was well organized.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) There was a good balance between the student's time in the lab and scheduled events.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) Please provide any suggestions to help improve the overall Program organization and content.						

Part IV: Student's Research Experience and Contributions

Please indicate your level of agreement with the following statements regarding your IM-SURE student's research experience and contributions.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unable to Comment
12) The project was an appropriate match for the student's skill set.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13) The student read all recommended materials in preparation for their research project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14) The student followed directions carefully.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15) The student followed safety and research conduct procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16) The student effectively used software, equipment and materials within the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17) The student accounted for their hours and efforts in the laboratory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18) The student maintained effective records of their research progress and results.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19) The student's effort and work hours were appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Student's Research Experience and Contributions, continued</i>	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unable to Comment
20) The student managed their time effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21) The student was able to achieve an appropriate level of independence on their project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22) The student was able to produce results and conclusions from their research.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23) The student made positive contributions to the team's overall research goals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24) The student's project presentations demonstrated a strong understanding of the project and positively represented the team's overall goals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25) I had a positive mentoring relationship with the student.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26) The student utilized and responded well to constructive feedback.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27) The student interacted well with other lab members.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28) The student demonstrated enthusiasm for their work and the opportunity to contribute to the overall goals of the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29) The student asked good questions and sought assistance when it was needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30) Please provide feedback on the student's overall experience and contributions in the lab.						

Part V: Student's Skill Development

Please indicate your level of agreement with the following statements regarding your IM-SURE student's skill development.

By the end of the Program, the student demonstrated an improvement in:	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unable to Comment
31) Their technical skills and knowledge.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32) Overall math and science skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33) Their ability to critically analyze written information.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34) Their ability to draw conclusions based on evidence, facts and ideas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Student's Skill Development, continued</i> By the end of the Program, the student demonstrated an improvement in:	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unable to Comment
35) Their ability to define and solve problems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36) Their ability to understand real-world applications of academic concepts and research experiments.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37) Their ability to use technology.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38) Their ability to use computer programs effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39) Their ability to understand and apply scientific principles and methods.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40) Their competence in performing independent research.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41) Their ability to manage a project from start to finish and organize their time effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42) Their ability to work cooperatively in a group.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43) Their comfort level when interacting with faculty members.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44) Their ability to communicate effectively with others.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45) Their oral presentation skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46) Their technical writing skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47) Their overall confidence.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48) Their potential for future achievement in the fields of science and engineering.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

49) Please provide feedback on the student's overall skill development.	
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Part VI: Overall Experience

	Outstanding	Good	Average	Below Average	Poor
50) How would you rate your overall experience with the student you mentored?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51) Please provide your feedback on the overall Program, including what you found to be most beneficial, as well as any suggestions you may have for future improvement.					

Your Name (Optional) _____

Thank You!
