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Undergraduate Research Program

Project Name	Refractometer for liquids based on image analysis and Snell's law
Campus & Location in Mexico	Puebla
Faculty	Engineering and Science
Research Area	Optics
Research Responsible	Dr. Alberto Uriel Rivera Ortega
Description of the Project	We will build a simple apparatus with the aim of measuring the refractive index of liquids based on image analysis and Snell's law.
Training Provided	Optics, programming, image analysis, electronics

Offered during:

SUMMER

X

WINTER

SEMESTER

X

Student

Tasks/Responsibilities	Attend to all the meetings and punctuality. The student will also build and program the complete apparatus.
Required Language Proficiency	Either spanish or english
Required Skills and Abilities	Just the will to learn and gain new abilities.
Other Documents	<ol style="list-style-type: none"> 1) Being at least in your 2nd year of bachelor 2) Accumulative grade point average (GPA) 2.5 3) Official Transcript 4) 2 letters of recommendation of faculty members 5) Resume 6) Letter of intention explaining the reason why you would like to participate in the research program