***Physics: Summer 2019***

**Marc Sakalauskas**

**Mon-Fri 12:30pm-4:00pm**

**\*\*\*\*Tentative Schedule\*\*\*\***

**Start Finish Lab**

Optics & Kinematics (5061) July 2 July 16 July 17/18

Forces & Energy (5062) July 22 Aug 6 Aug 7/8

**Grading**

**Lab Exam**

5061 40% 60%

5062 40% 60%

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Attendance is crucial for this course. More than **2** absences in a row, you won’t be able to write the exam for that particular book.

Tools: - Scientific Calculator  
 - Coloured Pencils/Pens  
 - Geometry set (Protractor, Compass, etc)

If you require extra assistance, please see me ASAP so I can do my best to accommodate your needs!

**Optics & Kinematics**

- Propagation of light

- Plane mirrors

- Curved mirrors

- Refraction of light

- Lenses

- Trajectories

- Vectors, scalars, displacement

- Speed & velocity

- Acceleration

- Kinematics equations

- Projectile motion  
  
**Forces & Energy**

- Universal gravitation

- Newton’s 3 laws

- Work, power & mechanical energy

- Potential & kinetic energy

- Machines & mechanical advantage