



**MATERIALS SCIENCE  
& ENGINEERING**  
TEXAS A&M UNIVERSITY

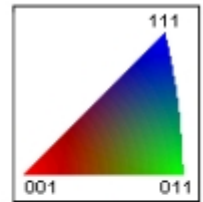
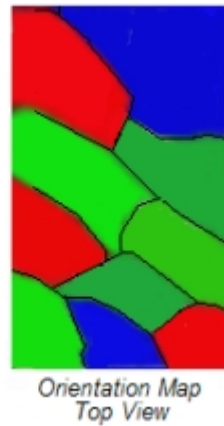
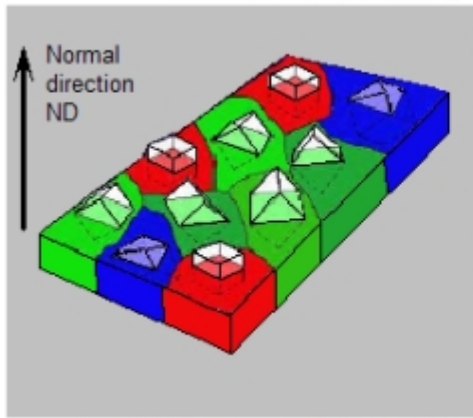
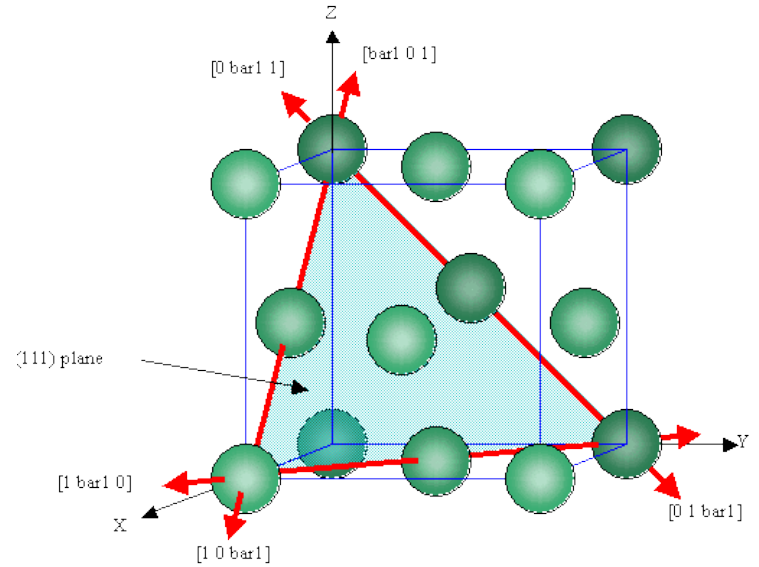
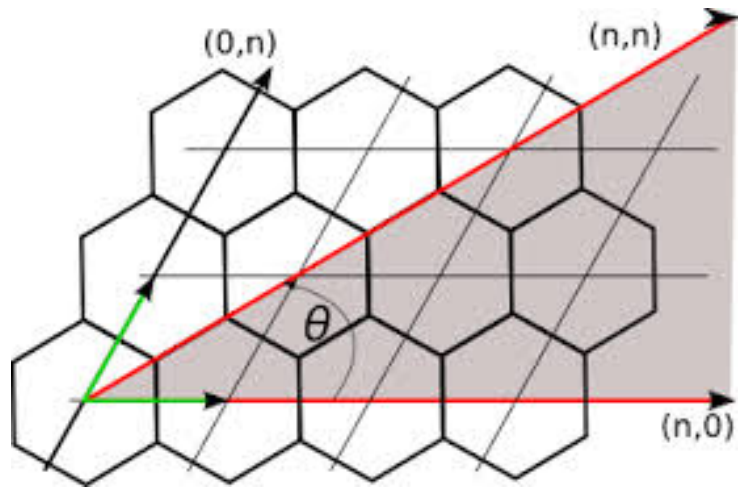
# Introduction to Materials Science & Engineering

## Crystallographic Directions

**Dr. Patrick Shamberger**

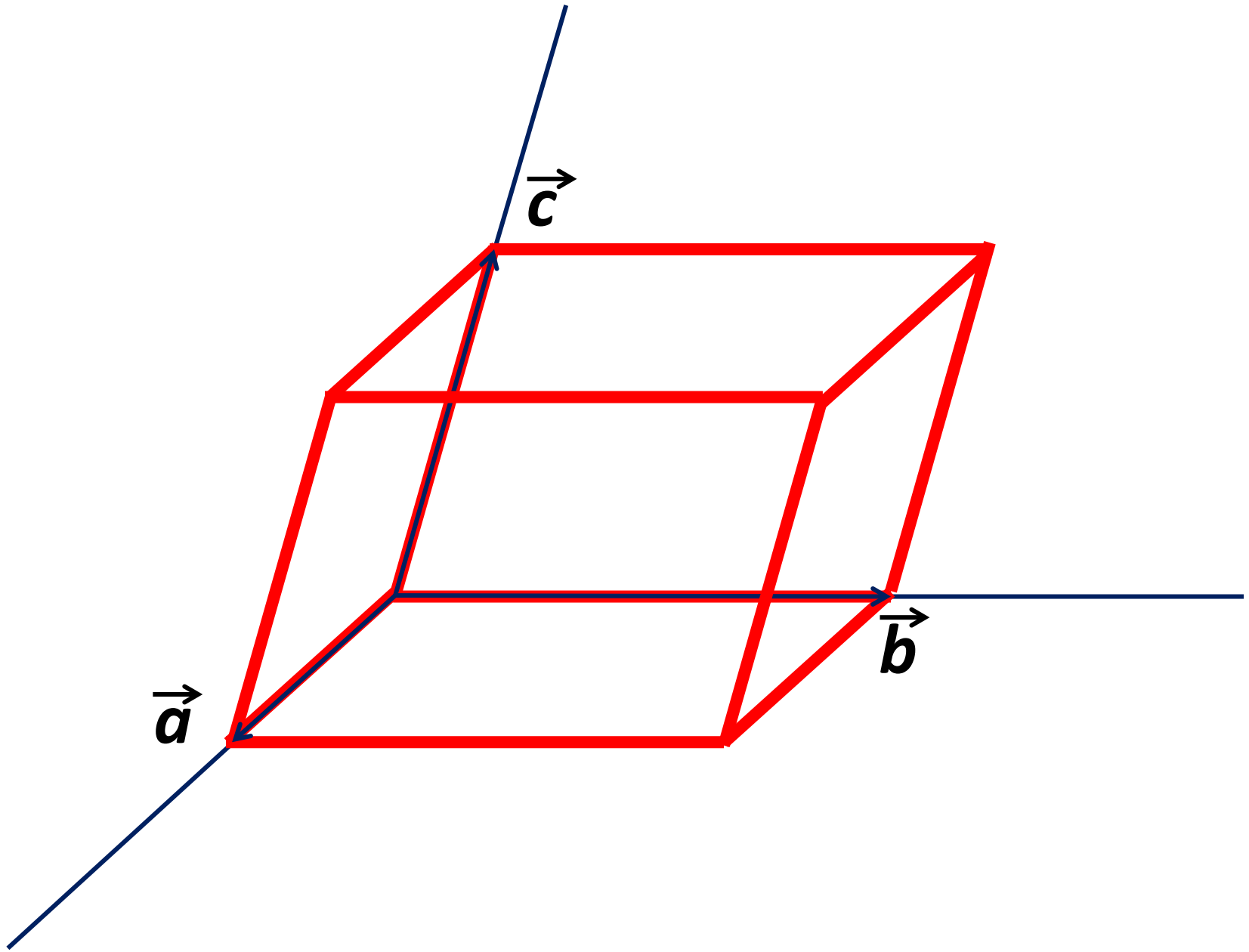
Dept. of Materials Science and Engineering  
Dwight Look College of Engineering  
Texas A&M University, College Station, TX

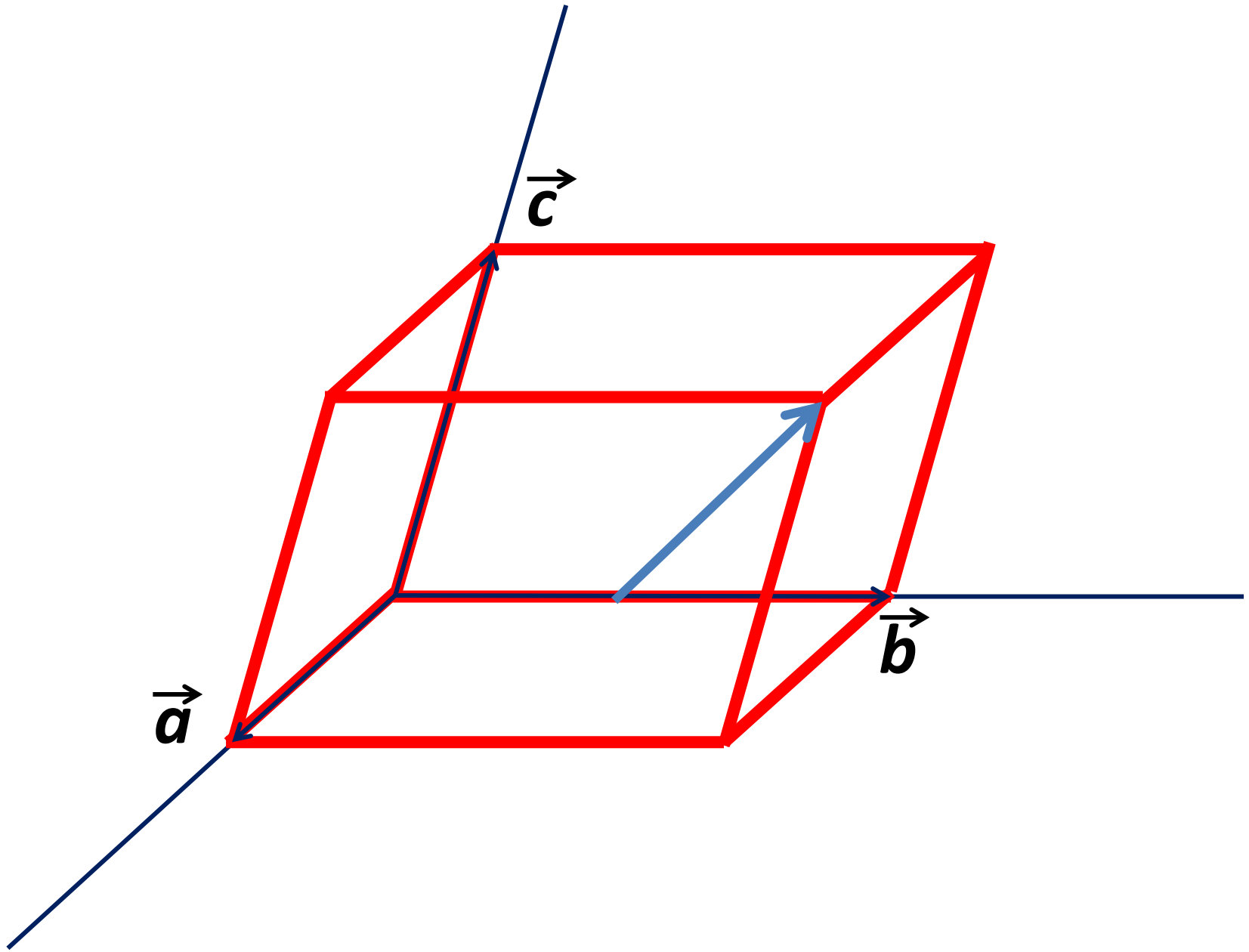


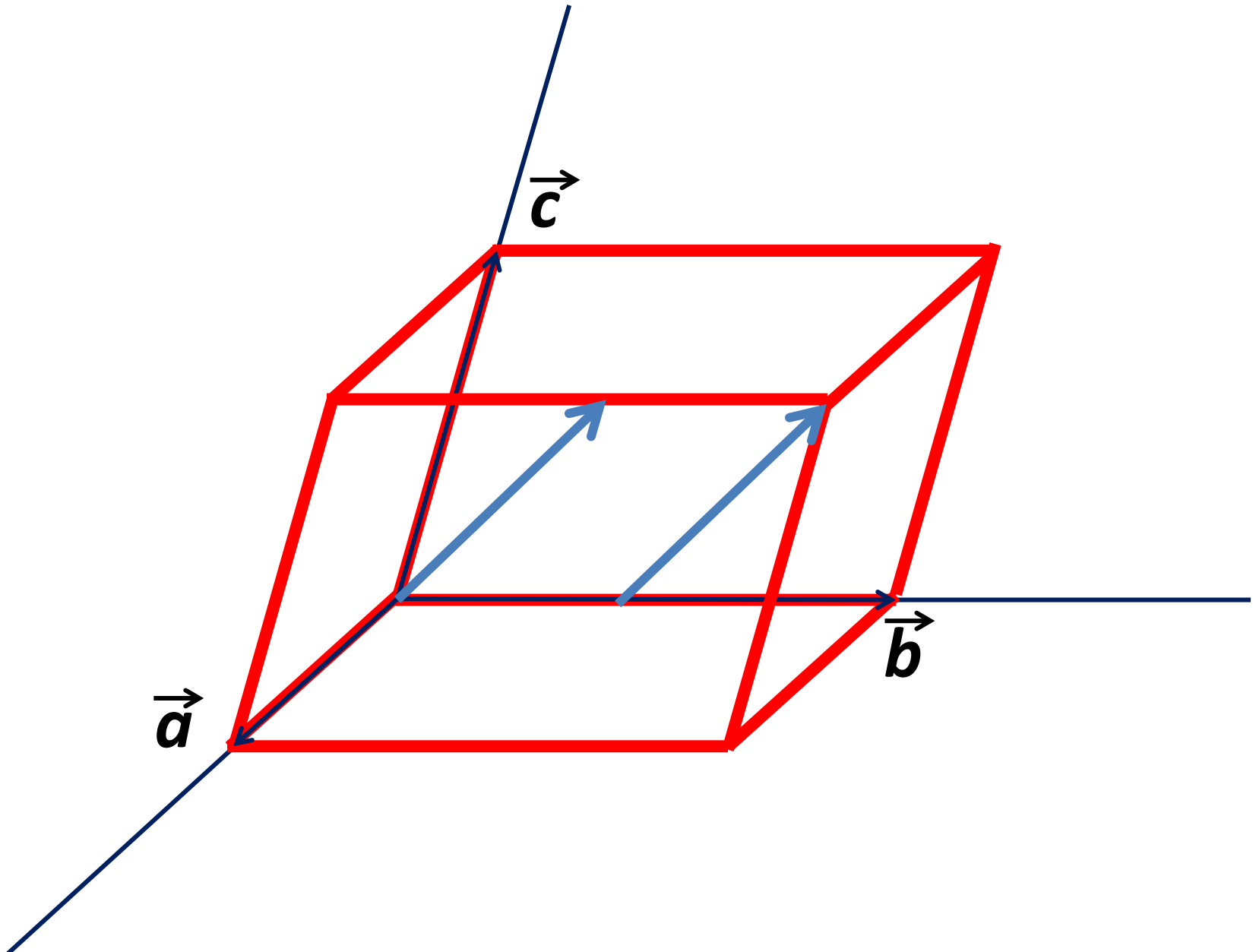


Orientation Triangle

Miller Map  $\langle u w \rangle$







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