

# **SYSTEMS DESIGN ENGINEERING**

## **Effect of Shear Rate on Material Induced Thrombosis**

**SYDE 780 - *Topic 3* Reading Course**

**Spring**

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Through this reading course, the student will become familiar with the role of shear in thrombus formation and more specifically in the context of applications related to cardiovascular implants such as stents and mechanical heart valves. Various in vitro models will be discussed as well as the effect of shear on cell activation.

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