

## AEROSPACE STUDIES (AS)

ROTC subjects do not carry academic credit at MIT, but they can be counted toward the PE Requirement. Up to two points per year with a maximum of four points.

### Aerospace Studies

#### AS.101 The Foundations of the United States Air Force

Prereq: None. Coreq: AS.111

U (Fall)

1-0-1 units

Survey designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills.

*P. Dela Cruz*

#### AS.102 The Foundations of the United States Air Force

Prereq: AS.101 or permission of instructor; Coreq: AS.112

U (Spring)

1-0-1 units

Survey designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Topics include mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. AS.102 is a continuation of AS.101.

*P. Dela Cruz*

#### AS.111 Leadership Laboratory

Prereq: None. Coreq: AS.101

U (Fall)

0-2-2 units

First-year General Military Course. Includes a study of Air Force customs and courtesies, drill and ceremonies, and military commands. Also includes studying the environment of an Air Force officer and learning about areas of opportunity available to commissioned officers, as well as interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets.

*P. Dela Cruz*

#### AS.112 Leadership Laboratory

Prereq: AS.111 or permission of instructor; Coreq: AS.102

U (Spring)

0-2-2 units

Includes a study of Air Force customs and courtesies, drill and ceremonies, and military commands. Also includes studying the environment of an Air Force officer and learning about areas of opportunity available to commissioned officers, as well as interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.112 is a continuation of AS.111.

*P. Dela Cruz*

#### AS.201 The Evolution of USAF Air and Space Power

Prereq: AS.102 or permission of instructor; Coreq: AS.211

U (Fall)

1-0-1 units

Survey designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC officer candidate. Featured topics include: Air Force heritage and leaders, Quality Air Force, an introduction to ethics and values, introduction to leadership, group leadership problems, and continuing application of communication skills. AS.202 is a continuation of AS.201.

*T. Hubbard*

#### AS.202 The Evolution of USAF Air and Space Power

Prereq: AS.201 or permission of instructor; Coreq: AS.212

U (Spring)

1-0-1 units

Survey designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC officer candidate. Topics include Air Force heritage and leaders, Quality Air Force, an introduction to ethics and values, introduction to leadership, group leadership problems, and continuing application of communication skills. AS.202 is a continuation of AS.201.

*P. Dela Cruz*

#### AS.211 Leadership Laboratory

Prereq: AS.112 or permission of instructor; Coreq: AS.201

U (Fall)

0-2-2 units

Emphasizes development of techniques used to direct and inform. Students are assigned leadership and management positions in the AS.111 programs. AS.212 is a continuation of AS.211.

*P. Dela Cruz*

**AS.212 Leadership Laboratory**

Prereq: AS.211 or permission of instructor; *Coreq: AS.202*  
U (Spring)  
0-2-2 units

Emphasizes development of techniques used to direct and inform. Students are assigned leadership and management positions in the AS.111 programs described above. AS.212 is a continuation of AS.211.

*P. Dela Cruz*

**AS.301 Air Force Leadership Studies**

Prereq: AS.202 or permission of instructor; *Coreq: AS.311*  
U (Fall)  
3-0-6 units

Study of leadership, quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. AS.302 is a continuation of AS.301.

*S. Ott*

**AS.302 Air Force Leadership Studies**

Prereq: AS.301 or permission of instructor; *Coreq: AS.312*  
U (Spring)  
3-0-3 units

Study of leadership, quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. AS.302 is a continuation of AS.301.

*S. Ott*

**AS.311 Leadership Laboratory**

Prereq: AS.212 or permission of instructor; *Coreq: AS.301*  
U (Fall)  
0-2-4 units

Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.312 is a continuation of AS.311.

*P. Dela Cruz*

**AS.312 Leadership Laboratory**

Prereq: AS.311 or permission of instructor; *Coreq: AS.302*  
U (Spring)  
0-2-4 units

Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.312 is a continuation of AS.311.

*P. Dela Cruz*

**AS.401 National Security Affairs/Preparation for Active Duty**

Prereq: AS.302 or permission of instructor; *Coreq: AS.411*  
U (Fall)  
3-0-9 units

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis on refining communication skills. AS.402 is a continuation of AS.401.

*S. Ott*

**AS.402 National Security Affairs/Preparation for Active Duty**

Prereq: AS.401 or permission of instructor; *Coreq: AS.412*  
U (Spring)  
3-0-3 units

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis on refining communication skills. AS.402 is a continuation of AS.401.

*S. Ott*

**AS.411 Leadership Laboratory**Prereq: AS.312 or permission of instructor; *Coreq: AS.401*

U (Fall)

0-2-4 units

Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.412 is a continuation of AS.411.

*P. Dela Cruz***AS.412 Leadership Laboratory**Prereq: AS.411 or permission of instructor; *Coreq: AS.402*

U (Spring)

0-2-4 units

Consists of activities classified as advanced leadership experiences that involve the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other oral and written communications. Also includes interviews, guidance, and information to increase the understanding, motivation, and performance of other cadets. AS.412 is a continuation of AS.411.

*Sheryl A. E. Ott***AS.511 Leadership Laboratory**

Prereq: AS.412 or permission of instructor

U (Fall)

Not offered regularly; consult department

0-2-4 units

Consists of activities classified as advanced leadership experiences to continue developing critical leadership, managerial and communication skills along with maintaining an active, physical lifestyle needed in today's Air Force. AS.512 is a continuation of AS.511.

*P. Dela Cruz***AS.512 Leadership Laboratory**

Prereq: AS.511 or permission of instructor

U (Spring)

Not offered regularly; consult department

0-2-4 units

Consists of activities classified as advanced leadership experiences to continue developing critical leadership, managerial and communication skills along with maintaining an active, physical lifestyle needed in today's Air Force. AS.512 is a continuation of AS.511.

*P. Dela Cruz***AS.811 Leadership Laboratory (AS.S811)**

Prereq: AS.411 or permission of instructor

U (Fall)

0-2-4 units

Consists of activities classified as advanced leadership experiences to continue developing critical leadership, managerial and communication skills, along with maintaining an active, physical lifestyle needed in today's Air Force.

*P. Dela Cruz***AS.812 Leadership Laboratory**

Prereq: Permission of instructor

U (Spring)

0-2-4 units

Cadets develop critical leadership, managerial and communication skills while maintaining an active, physical lifestyle needed in today's Air Force. Consists of activities classified as advanced leadership experiences that involve mentoring the cadet corps, special projects, and event planning.

*P. Dela Cruz*