



MODULES PROGRAM LIST

Management and Technical Topics in Aeronautic Field

DOMAIN 1: INDUSTRIAL ORGANIZATION

DOMAIN 2: MANAGEMENT

Human Resources Issues

Strategy Management

Airlines Management

Operational Management

DOMAIN 3: DESIGN AND CONCEPTION

Aeronautical Engineering

Helicopter Engineering

DOMAIN 4: OPERATIONAL SKILLS

Aeronautical Maintenance

DOMAIN 5: CIVIL AVIATION

Aviation Safety-Aircraft Airworthiness

Avionics and ATM

Avionics-General Avionics

Avionics for ATM and Airlines

Cooperative Avionics-Design and Testing

Aviation and Air Traffic Management

Communication, Navigation and Surveillance



DOMAIN 1: INDUSTRIAL ORGANIZATION

- 1.1: Supply chain management *(Please contact IAS)*
- 1.2: Lean management *(Please contact IAS)*
- 1.3: Industrial quality control *(Please contact IAS)*
- 1.4: Industrial maintenance organization *(Please contact IAS)*
- 1.5: SME's & OEM's relations *(Please contact IAS)*
- 1.6: Aeronautical maintenance management *(Scheduled to be confirmed)*

DOMAIN 2: MANAGEMENT

Human Resources Issues

- 2.1: Human capital and leadership development *(14 Nov to 25 Nov 2011)*
- 2.2: Human resources issues and performance management *(Please contact IAS)*
- 2.3: Knowledge and competence management *(Scheduled to be confirmed)*

Strategy Management

- 2.4: Strategy and core business *(2 Nov to 10 Nov 2011)*
- 2.5: Corporate finance and accounting *(28 Nov to 9 Dec 2011)*
- 2.6: Marketing and sales *(3 Oct to 14 Oct 2011)*
- 2.7: Operations strategy and management *(12 Dec to 16 Dec 2011 and 2 Jan to 6 Jan 2012)*
- 2.8: Organizational architecture & transformation *(Scheduled to be confirmed)*
- 2.9: Strategy management in aerospace industry *(Please contact IAS)*

Airlines Management

- 2.10: Economics and sustainable development *(17 Oct to 28 Oct 2011)*
- 2.11: Managing alliances and partnerships *(Scheduled to be confirmed)*
- 2.12: Airport management *(Scheduled to be confirmed)*
- 2.13: Airline management *(Scheduled to be confirmed)*
- 2.14: Risk management *(Please contact IAS)*
- 2.15: Crisis management *(Please contact IAS)*
- 2.16: Customer support *(Scheduled to be confirmed)*
- 2.17: Safety management *(Scheduled to be confirmed)*
- 2.18: Airline strategy game simulation *(Please contact IAS)*



Operational Management

2.19: Managing complex projects

(Scheduled to be confirmed)

2.20: Management accounting and performance monitoring

(Scheduled to be confirmed)

2.21: Insurance, hedging and risk management

(Scheduled to be confirmed)

2.22: Legal environment and ethics

(Scheduled to be confirmed)



DOMAIN 3: DESIGN AND CONCEPTION

Aeronautical Engineering

3.1: Flight envelopes	<i>(26 Sep to 30 Sep 2011)</i>
3.2: Structural operating limits	<i>(3 Oct to 7 Oct 2011)</i>
3.3: Aircraft architecture and load calculation	<i>(10 Oct to 14 Oct 2011)</i>
3.4: Propulsion	<i>(17 Oct to 21 Oct 2011)</i>
3.5: Avionics	<i>(24 Oct to 10 Nov 2011)</i>
3.6: Aircraft systems	<i>(14 Nov to 18 Nov 2011)</i>

Helicopter Engineering

3.7: Helicopter characterization	<i>(17 Jan to 21 Jan 2011)</i>
3.8: Helicopter dynamics	<i>(24 Jan to 28 Jan 2011)</i>
3.9: Helicopter construction materials and techniques	<i>(31 Jan to 4 Feb 2011)</i>
3.10: Helicopter systems	<i>(7 Feb to 11 Feb 2011)</i>
3.11: Helicopter: Prototype-Tests-Production-Quality insurance	<i>(14 Feb to 18 Feb 2011)</i>

DOMAIN 4: OPERATIONAL SKILLS

Aeronautical Maintenance

4.1: ETOPS flights	<i>(Please contact IAS)</i>
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DOMAIN 5: CIVIL AVIATION

Aviation Safety-Aircraft Airworthiness

5.1: Certification of an airliner	(28 Nov to 9 Dec 2011)
5.2: Safety of complex systems	(4 Jan to 14 Jan 2011)
5.3: On-board software	(17 Jan to 21 Jan 2011)
5.4: Air transport safety and human factors	(24 Jan to 28 Jan 2011)
5.5: Production organization approval	(31 Jan to 4 Feb 2011)
5.6: Operating procedures	(7 Feb to 11 Feb 2011)
5.7: Maintenance procedures	(14 Feb to 18 Feb 2011)
5.8: Continued airworthiness	(21 Feb to 25 Feb 2011)
5.9: Qualification tests for civil aviation on-board equipment and system	(21 Nov to 25 Nov 2011)

Aviation and ATM

5.10: The aircraft	(26 Sept to 7 Oct 2011)
5.11: Air traffic management	(10 Oct to 21 Oct 2011)
5.12: Human factors	(21 Nov to 25 Nov 2011)

Aviation-General Avionics

5.13: Basic avionics techniques	(7 Nov to 10 Nov 2011)
5.14: Avionics architecture	(14 Nov to 18 Nov 2011)
5.15: Flight control system	(17 Jan to 21 Jan 2011)

Avionics for ATM and Airlines

5.16: Communications Systems	(24 Jan to 4 Feb 2011)
5.20: Collaborative applications for airlines	(7 Feb to 11 Feb 2011)
5.21: Navigation	(14 Feb to 25 Feb 2011)
5.22: Surveillance	(7 Mar to 18 Mar 2011)
5.23: Collaborative applications for ATM	(21 Mar to 25 Mar 2011)



Cooperative Avionics-Design and Testing

5.24: Regulatory framework	<i>(24 Oct to 28 Oct 2011)</i>
5.25: Systems engineering	<i>(28 Nov to 9 Dec 2011)</i>
5.26: Project management	<i>(12 Dec to 16 Dec 2011)</i>
5.27: Certification of avionics	<i>(3 Jan to 14 Jan 2011)</i>

Aviation and Air Traffic Management

5.28: Aircraft operations	<i>(Schedule to be confirmed)</i>
5.29: Air traffic management services	<i>(Schedule to be confirmed)</i>
5.30: Institutional and regulatory framework	<i>(Schedule to be confirmed)</i>
5.31: Communications, navigation and surveillance means for new ATM services	<i>(Schedule to be confirmed)</i>
5.32: Towards business trajectory	<i>(Schedule to be confirmed)</i>
5.33: Aviation business models	<i>(Schedule to be confirmed)</i>
5.34: Flight control systems	<i>(Schedule to be confirmed)</i>
5.35: Project management	<i>(Schedule to be confirmed)</i>
5.36: Integration of ATM in airport design and operations	<i>(Schedule to be confirmed)</i>
5.37: ATM operations new paradigm	<i>(Schedule to be confirmed)</i>
5.38: ATM sustainable development	<i>(Schedule to be confirmed)</i>
5.39: ATM safety culture	<i>(Schedule to be confirmed)</i>



Communication, Navigation and Surveillance

5.40: Aeronautical environment, operational requirements and air traffic control familiarization	<i>(31 Oct to 4 Nov 2011)</i>
5.41: Aeronautical institutions and strategy for ATM/CNS	<i>(7 Nov to 10 Nov 2011)</i>
5.42: Architecture of CNS avionics system	<i>(7 Mar to 11 Mar 2011)</i>
5.43: Non-aeronautical satellite positioning applications	<i>(14 Mar to 23 Mar 2011)</i>
5.44: System engineering and safety management in CNS/ATM	<i>(10 Jan to 21 Jan 2011)</i>
5.45: Basic GNSS receiver signal processing	<i>(31 January 2011)</i>
5.46: Receiver signal processing for future GNSS signals	<i>(1 Feb to 2 Feb 2011)</i>
5.47: RAIM for civil aviation	<i>(15 March 2011)</i>
5.48: GNSS integrity for civil aviation	<i>(17 Mar to 18 Mar 2011)</i>
5.49: Differential GNSS	<i>(7 Mar to 8 Mar 2011)</i>
5.50: GNSS (GPS, GBAS, SBAS, ABAS, Future GNSS)	<i>(21 Mar to 22 Mar 2011)</i>
5.51: GNSS for civil aviation	<i>(28 Mar to 1 Apr 2011)</i>