

## AVIATION MANAGEMENT MODULE *Qualification as Aviation Manager (SHB)*

„What I appreciated most, was the high practice orientation, which makes it possible to apply the concepts and techniques within our organization right away.

The structured course program helped gaining new knowledge in the field of Aviation Management Systems, Methods and Regulations.“

*Daniel Ritter, SR Technics Switzerland*



„I am impressed by the practice oriented approach of the seminary and benefitted from the excellent presentation of the topics concerning risk management and compliance and their incorporation into the overall context of ‘Leadership’“.

*Bernhard Drüner, QualiSafe GmbH*

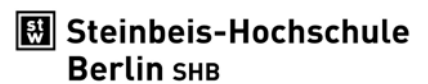
„Very competent speakers with a lot of experience and current expertise-knowledge. The networking with the other participants is a further bonus which makes the Aviation Management Module to a valuable professional and academic training.“

*René Puls, IBM*

**AVIATION MANAGEMENT MODULE**  
*Qualification as Aviation Manager*

**September 5<sup>th</sup> – 9<sup>th</sup>, 2016**

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## 1 Point of departure

The aerospace industry is dependent on the big customers such as Airbus and Boeing. The aerospace supply chain is represented over several tiers. Over these different tier suppliers profits are shared and especially from tier 3 and back cost pressure is very high.

But the aerospace industry is not only a challenging one from the market and cost perspective over all the tiers, but it is also a strongly regulated industry. Barriers to enter this industry are high, because of certifications which are demanded by the regulator for all technologies, products and components that are supplied to the aerospace industry. With this come complex and costly certification processes, risk management processes, quality management processes, etc. To handle these processes managers need to have outstanding project management skills to efficiently handle these complex processes.

This module will focus exactly on these challenges and include the following courses:

- The System of Aviation
- Aviation Governance
- Certification Management
- International/ EASA Regulation
- Leadership
- Project Management
- Quality Management
- Risk Management

The topics will be handled in the courses by lectures, case study work and workshops, to ensure practical application next to theoretical understanding.

The course program was developed as a part of the TransNetAero Interreg project by the Center for Aviation Competence at the University of St. Gallen in collaboration with the German Aerospace Academy of the Steinbeis University.

## 2 Module schedule

### September 5<sup>th</sup>, 2016: Aviation Systems, Project Management

Time	Topic and content	Lecturer
8.00 – 8.30	Welcome and administration	Andreas Wittmer
8.30 – 10.00	Basics and overview of Aviation Systems	Andreas Wittmer
10.00 – 10.30	Coffee break	
10.30 – 12.00	Basics and overview of Aviation Systems	Andreas Wittmer
12.00 – 13.00	Lunch break	
13.00 – 14.30	Project management in aerospace	Michel Guillaume
14.30 – 15.00	Coffee break	
15.00 – 16.30	How to set up an efficient project management process	Michel Guillaume
16.30 – 17.00	Organization of transfer work and exam	Andreas Wittmer
18.30	Networking Dinner (costs included in registration fee)	

### September 6<sup>th</sup>, 2016: Regulation

Time	Topic and content	Lecturer
8.30 – 10.00	International Regulation: An overview	Joel Hencks
10.00 – 10.30	Coffee break	
10.30 – 12.00	International Regulation: An overview	Joel Hencks
12.00 – 13.00	Lunch break	
13.00 – 14.30	EASA Regulation specifically	Joel Hencks
14.30 – 15.00	Coffee break	
15.00 – 16.30	EASA Regulation specifically	Joel Hencks
16.30 – 17.00	Open questions and discussion	Joel Hencks

### September 7<sup>th</sup>, 2016: Leadership, Quality Management

Time	Topic and content	Lecturer
8.30 – 10.00	Leadership	Andreas Wittmer
10.00 – 10.30	Coffee break	
10.30 – 12.00	Quality management frameworks	Andreas Wittmer
12.00 – 13.00	Lunch break	
13.00 – 14.30	Quality management process implementation	Joel Hencks
14.30 – 15.00	Coffee break	
15.00 – 16.30	Quality management process implementation	Joel Hencks
16.30 – 17.00	Open questions and discussion	Joel Hencks

### September 8<sup>th</sup>, 2016: Aviation Governance and Risk Management

Time	Topic and content	Lecturer
8.30 – 10.00	Basics and overview of aviation governance	Roland Müller
10.00 – 10.30	Coffee break	
10.30 – 12.00	Implementation and optimization of aviation governance	Roland Müller
12.00 – 13.00	Lunch break	
13.00 – 14.30	Basics and overview of risk management	Roland Müller
14.30 – 15.00	Coffee break	
15.00 – 16.30	Implementation and optimization of risk management	Roland Müller
16.30 – 17.00	Open questions and discussion	Roland Müller

### September 9<sup>th</sup>, 2016: Aviation Management Systems and Certification

Time	Topic and content	Lecturer
8.30 – 10.00	Aviation Management Systems according EASA (Safety Management & Compliance Monitoring)	Joel Hencks
10.00 – 10.30	Coffee break	
10.30 – 12.00	Aviation Management Systems according EASA (Safety Management & Compliance Monitoring)	Joel Hencks
12.00 – 13.00	Lunch break	
13.00 – 14.30	Certification process	Joel Hencks
14.30 – 15.00	Coffee break	
15.00 – 16.30	Certification process	Joel Hencks
16.30 – 17.00	Open questions and discussion	Joel Hencks

### 3 Assessment

The Assessment is necessary for receiving the certificate from the Steinbeis University and to be awarded the title “Aviation Manager”. It is not necessary if only the Certificate of participation from the Center for Aviation Competence at the University of St. Gallen is needed.

**Transfer paper (70 % of total mark):**

- 15 page paper about any topic related to the course, in groups of 2 - 4 participants

**Exam: (30 % of total mark):**

- One hour exam on Friday night or Saturday after the course week.

### 4 Location and costs

**Costs:**

Participation fee for Aviation Management Module **including the certificate and to be awarded the title “Aviation Manager” from Steinbeis University**, credits for Master Diploma and certificate of participation from CFAC-HSG.

- **Regular participants** CHF 4'900.-
- **Supporter CFAC-HSG** CHF 4'600.-

Participation fee for Aviation Management Module **without certificate from Steinbeis University** but including **certificate of attendance “Aviation Manager”** from CFAC-HSG.

- **Regular participants** CHF 3'900.-
- **Supporter CFAC-HSG** CHF 3'600.-

**Location:** Radisson Blu Hotel, St.Gallen

**Public transport to the hotel**

Take the train toward St. Gallen, and exit at the St. Gallen main station. Transfer to bus No. 3 toward Heiligkreuz (about a five-minute ride). Exit at the Schützengarten stop. The hotel is located just a few steps away.

**Directions to the hotel from Zurich Airport**

The hotel is located 80 kilometers, or about a 50-minute drive, from the Zürich Airport. From the airport, take highway A1 to Winterthur/St. Gallen. Drive 75 kilometers. Then take the St. Gallen-St. Fiden exit. At the first crossroad, turn left and after 1,000 meters (at the next crossroad), turn left again. After 300 meters, the hotel is on the right.

## 5 Lecturers

**Prof. Dr. iur. Roland Müller**, Lawyer, Flight Instructor, Professor for Privat- und Commercial Law as well as Air Law at the University of St. Gallen.

Professional experience:

- University of St. Gallen Center for Aviation Competence: President (since 6 years)
- University of Bern: Lecturer for Labour Law (since 4 years)
- University of St. Gallen: Lecturer for Privat Law, Commercial Law and Air Law (since 13 years)
- ME Advocat Lawyers: Chairman of the Board, Lawyer and Notary Public (since 20 years)
- Swiss Air Ambulance: Member of the Board of Foundation (since 7 years)
- Aero Club Switzerland: Chairman of the Board (6 years)
- Business Airport St.Gallen-Altentrhein: Chairman of the Board of Directors (6 years)
- SR Technics Group: Member of the Board of Directors and Chairman Risk Management Committee (6 years)
- Federal Aviation Commission: Member of the Commission (9 years)
- District Court Gossau/Switzerland: Extraordinary clerk (1 year)

More information about Roland Müller:

[https://www.alexandria.unisg.ch/Personen/Person/M/Roland\\_Mueller](https://www.alexandria.unisg.ch/Personen/Person/M/Roland_Mueller)

**Dr. Andreas Wittmer**, Managing Director of the Center for Aviation Competence at the University of St. Gallen, Senior Lecturer at the University of St. Gallen, the Module University Vienna, University of Applied Sciences in Chur and Zurich University of Applied Sciences in Winterthur.

Professional experience:

- University of St. Gallen  
Center for Aviation Competence, Managing Director,
- University of St. Gallen  
Institute for Systemic Management and Public Governance, Deputy Director
- Lindberg International AS (DK)  
Country Manager Benelux and Switzerland (work on new branch in Brussels and Switzerland during 2 years)
- Aarhus School of Business (DK)  
Department of Economics, Research Associate (Research and Analysis) (1 year)
- Credit Suisse, Zurich  
Investment Accountant then 2 years

More information about Andreas Wittmer:

[https://www.alexandria.unisg.ch/Personen/Person/W/Andreas\\_Wittmer](https://www.alexandria.unisg.ch/Personen/Person/W/Andreas_Wittmer)



**Joel Hencks**, Managing Director, AeroEx GmbH, official Partner of the Center for Aviation Competence at the University of St. Gallen.

Professional experience:

- 2006 European Aviation Safety Agency „EASA“- Expert in the field of Aviation Law for Flight Operation
- 2004 Accredited Auditor for Aviation Companies
- 2003 Referent for „Aviation Safety Management Systems“ and Air Law (Accredited by the „International Business Aviation Council“)
- 2001 Managing Director of Consulting companies in aviation with a focus on certification of aviation companies as well as management systems
- 1999 Captain of several plane types with different companies More information about AeroEx: <http://www.aeroex.eu/>

**Dr. Michel Guillaume**, Head of Center Aviation, Zurich University of Applied Sciences  
Professional experience:

- Swiss F/A-18 Full Scale Fatigue Test Project Manager at RUAG Aerospace (1999- 2004)
- General Manager of Aerodynamics Center at RUAG Aerospace (2004 – 2012); involved in various Aerospace Projects with Airbus, Boeing, Dassault, SAAB, Turkish Aerospace Industry (TAI)
- Head Center for Aviation at Zurich University of Applied Sciences (since 2012)
- National Delegate of the International Committee on Aeronautical Fatigue and Structural Integrity: ICAF (since 1999)
- Lecturer in Fatigue and Damage Tolerance at Federal Institute of Technology Zurich (ETH) since 2005
- Presentations at International Conferences in Aerospace: AIAA, ASIP, CEAS, ICAF, ICAS, CompTest, International Fatigue Conference

More information about Michel Guillaume:

[http://www.zhaw.ch/fileadmin/php\\_includes/popup/person-detail.php?kurzz=guil](http://www.zhaw.ch/fileadmin/php_includes/popup/person-detail.php?kurzz=guil)

## 6 Certificate

The Center for Aviation Competence of the University of St. Gallen provides a Certificate of Attendance “Aviation Manager” for the individual Module. The Steinbeis University provides a Certificate with ECTS-credits, which can be used for the European Aerospace Master program and awards the title “Aviation Manager”.

## Registration

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Date: September 5<sup>th</sup> – 9<sup>th</sup>, 2016  
 Location: Radisson Blu Hotel St. Gallen  
 Registration deadline: August 15<sup>th</sup>, 2016  
 Registration address:

- via fax: CFAC-HSG, +41 (0)71 224 25 36
  - via mail: CFAC-HSG, Andreas Wittmer, Dufourstrasse 40a, CH-9000 St. Gallen
  - via e-mail: CFAC-HSG, cfachsg@unisg.ch
- .....

Registration for the Aviation Management Module including a **certificate of participation from CFAC-HSG**.

- |   |           |
|---|-----------|
| <input type="checkbox"/> Registration for regular participants                  | 3'900 CHF |
| <input type="checkbox"/> Registration for supporter CFAC-HSG (300 CHF discount) | 3'600 CHF |

Registration for the Aviation Management Module **including ECTS for Master Diploma and title "Aviation Manager" from Steinbeis University** as well as certificate of participation from CFAC-HSG.

- |   |           |
|---|-----------|
| <input type="checkbox"/> Registration for regular participants                  | 4'900 CHF |
| <input type="checkbox"/> Registration for supporter CFAC-HSG (300 CHF discount) | 4'600 CHF |

### Supporter CFAC-HSG

- yes   no   I would like to become a supporter and profit from CHF 300 discount

Name \_\_\_\_\_ First Name \_\_\_\_\_ Age \_\_\_\_\_

Organization \_\_\_\_\_ Function \_\_\_\_\_

Street \_\_\_\_\_ ZIP, Place \_\_\_\_\_

Country \_\_\_\_\_ Tel. \_\_\_\_\_

E-Mail \_\_\_\_\_ Fax \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

## Please note

All participants will receive a certificate of participation from the CFAC-HSG. Please attach your CV, Bachelor Diploma and certificate (including statement of marks) to this registration form. If you intend to do the Module including the certificate of the Steinbeis University of Berlin, please note that you will have to take a written exam at the end of the week as well as delivering a transfer work paper two month after the Module. The provision of the certificate to the participants is subject to the decisions made by Steinbeis University.

**The number of participants is limited and therefore the registration will be handled following the rule “first come, first serve”.** Registrations are binding and have to be submitted directly to the Center for Aviation Competence.

The registration fees have to be paid no later than 30 days after receiving the invoice and before the first course day. A refund of the registration fee in case of cancellation due to extraordinary circumstances will be handled individually and depending on the costs already occurred.