

## Course syllabus

### Introduktion till riggning inom cirkus, 30 hp *Introduction to Rigging Within Circus, 30 credits*

**Course Code:** CI127G  
**Unit:** Circus  
**Grading Scale:** Fail, Pass  
**Education:**  
Freestanding Course  
**Education cycle:** First cycle non beginners

**Subject Group:** CI1  
**Course Classification:**  
Theater 100%

**Main Field of Study:** Circus  
**Progressive specialisation:** G2F

**Established by:**  
Committee for course syllabi at the first cycle  
**Date of Decision:** 2023-12-12  
**Date of Revision:** 20XX-MM-DD  
**Valid from:** Autumn semester 2024

#### Entry Requirements

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General Entry Requirements:

for studies at the first cycle with the exception of Swedish 1-3 and English 6.

Specific Entry Requirements:

60 credits in circus or stage technique or the equivalent

#### Selection

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If there are more eligible applicants than available places there will be a selection. In the assessment we especially consider the experiences/activities that focus on, and have a relationship to, the contents of the course.

#### Language of Instruction

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The main language of instruction is English.

#### Course Content

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The course contains methods and practise of basic rigging techniques and different circus equipment, risk analysis and safety. The course also contains working methods and tools for developing ideas for creative rigging in a rigging project with circus students. The course includes internship at the circus subject's various educational programs as well as study visits to various performing arts institutions.

The Course consists of the following modules:

*Introduction to Rigging And Safety, 15 credits*

The student gets an introduction to safety and risk analysis and its practise, basic rigging techniques and the mechanics of the materials and load calculations.

*Introduction to Creative Rigging Within Circus, 7,5 credits*

The student gets an introduction to methods and tools for developing ideas for creative rigging in collaboration with circus students.

*Rigging for Circus Production, 7,5 credits*

The student practises rigging techniques and rigging design for a circus production including risk assessment and safety in the form of an internship internally at the circus subject or externally on a circus production.

## Teaching Forms

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Lectures, seminars, workshops, supervision in group, individual supervision.

## Intended Learning Outcomes

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*Introduction to Rigging And Safety, 15 credits*

After completing the course the student is able to:

1. account for responsibilities and knowledge of basic terminology regarding rigging and safety within circus
2. account for the main types of materials/equipment and classification used in circus and adjacent areas of activity
3. show understanding of basic knowledge regarding rigging, load calculation and safety systems within circus
4. demonstrate practical and theoretical knowledge of the use of ropes in rigging equipment and knot technology for safe rigging
5. practically rig and use equipment for the circus disciplines introduced in the course

*Introduction to Creative Rigging Within Circus, 7,5 credits*

After completing the course the student is able to:

6. demonstrate and discuss safe rigging practices
7. show the ability to make a relevant creative rigging plan
8. practically show and understand different creative processes in circus rigging in collaboration with circus practioners

*Rigging for Circus Production, 7,5 credits*

After completing the course the student is able to:

9. demonstrate ability to perform basic circus rigging safely under various production conditions
10. handle different types of equipment and rigging connected to a circus production
11. make a relevant rig plan, strength calculation and risk analysis linked to a specific circus production
12. demonstrate awareness of individual level of competence when practising rigging and safety and demonstrate the ability to make decisions of when higher competence is needed

## Examination

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Introduction to Rigging And Safety, 15 credits

(1001) Written and practical assignment, 15 credits, regarding learning outcomes 1-5, grades Fail (U) or Pass (G)

Introduction to Creative Rigging Within Circus, 7,5 credits

(1002) Written assignment and discussion seminar, 7,5 credits, regarding learning outcomes 6-8, grades Fail (U) or Pass (G)

Rigging for Circus Production, 7,5 credits

(1003) Written assignment with associated discussion, 7,5 credits, regarding learning outcomes 9-12, grades Fail (U) or Pass (G)

If a student has a decision from Stockholm University of the Arts about special pedagogical support due to functional variance, the examiner can decide on alternative forms of examination in consultation with the student.

## Course Requirements

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## Study material

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### Module 1, Introduction to Rigging and Safety

Hall, Delbert L & Sickels, Brian (2014). *Rigging math made simple*. 3. ed. Johnson City, Tennessee: Spring Knoll Press. 312 pp.

Polman, Jan-Willem (2016). *Splicing modern ropes: a practical handbook*. First published in English 2016 London: Bloomsbury. 176 pp.

### Reference literature

-AFS 2006:6 Eng. *Use of lifting devices and lifting accessories*. 24 p. Available online: <https://www.av.se/en/work-environment-work-and-inspections/publications/foreskrifter/anvandning-av-lyftanordningar-och-lyftredskap-afs-20066-provisions/> (2021-08-25)

-AFS 2001:3Eng *Use of Personal Protective Equipment*. 16 pp. Available online: <https://www.av.se/en/work-environment-work-and-inspections/publications/foreskrifter/use-of-personal-protective-equipment-afs-20013-provisions/?hl=AFS%202001:3Eng> (2021-08-25)

-AFS 2015:4Eng *Organisational and social work environment*. 15 pp. Available online: <https://www.av.se/en/work-environment-work-and-inspections/publications/foreskrifter/organisatorisk-och-social-arbetsmiljo-afs-20154-foreskrifter/?hl=AFS%202015:4Eng> (2021-08-25)

Ashley, Clifford Warren (1993). *The Ashley book of knots*. New York: Doubleday. 632 pp.

Gordon, J. E. (2003) *Structures: Or why things don't fall down*. Da Capo Press (ch. 1, pp. 69)

LEEA *The LEEA Code of Practice for the Safe Use of Lifting Equipment*: Available online: [https://leeaint.com/downloads/download\\_doc.php?doc\\_hash=988c68d2801c58ae8b309838c774a00ad7e2fca2549459f5dd7801fa1541686](https://leeaint.com/downloads/download_doc.php?doc_hash=988c68d2801c58ae8b309838c774a00ad7e2fca2549459f5dd7801fa1541686) (2021-08-25)

Svensk Standard, SS-EN 17206:2020, *Entertainment technology - Machinery for stages and other production areas - Safety requirements and inspections*. Svenska Institutet för Standarder. Available online: <https://www.sis.se/produkter/utrustning-for-materialhantering-a494a79b/lyftdon/lyftanordningar/ss-en-172062020/> (2021-08-25)

## Module 2, Introduction to Creative Rigging Within Circus

Levy Matthis & Salvadori, Mario (2002). *Why Buildings Fall Down: How Structures Fail*. New York: Norton & Company Ltd. 346 pp. Available online: <https://epdf.pub/why-buildings-fall-down.html> (2021-08-25)

### Reference literature

Adams, John (2000) Risk. London och New York: Routledge, page. 1-9. Available online: <http://www.john-adams.co.uk/wp-content/uploads/2017/01/RISK-BOOK.pdf> (2021-08-25)

Hann, Rachel (2019). *Beyond scenography*. Abingdon: Routledge. 156 pp. Hendrickson, Alan (2007). *Mechanical Design for the Stage*. Routledge. 446 pp.

Salvadori, Mario (2002). *Why Buildings Stand Up: The Strength of Architecture*. New York: Norton & Company Ltd

RobeLabs website: <https://www.ropelab.com.au/> (2023-12-12)

Animated Knots website: <https://www.animatedknots.com/> (2023-12-12)

Richard Delaneys youtube-kanal: <https://www.youtube.com/user/rdelaney65> [films about rigging] (2023-12-12)

## Module 3, Rigging for Circus Production

Donovan, Harry. (2002). *Entertainment rigging: a practical guide for riggers, designers, and managers*. Seattle, Wash.

Higgs, Chris (2003). *Rigging for entertainment: regulations and practice*. Royston: Entertainment Technology Press. 152 pp.

### Reference literature

Sapsis, Bill (2015). *Entertainment rigging in the 21st century: compilation of rigging practices, safety, automation, and related issues*. Routledge. 289 pp.

Shumway, Jim (2020). *Automated performer flying: the state of the art*. New York: Routledge – 254 pp.

**Course evaluation**

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The Course is evaluated in accordance with Guidelines for course evaluations (Riktlinjer för kursvärderingar).

**Replaces a previous course**

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The Course replaces CI109G.

**Overlaps another course**

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The Course overlaps, and cannot be included in a degree together with CI109G.

**Other terms and conditions**

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Attendance at lessons is necessary to achieve the learning outcomes tested in examinations.