

# Certificate

This is to certify that Fredrik Skåtar has conceptualised and conducted the following workshops at the Department of Architecture and Built Environment, Lund University

1) AAHN15	<p><b>Title</b> The Creative Tools</p> <p><b>Type</b> Grasshopper. Learning the basics of the graphical algorithmic editor Grasshopper - a plug-in for Rhinoceros 3d</p>	<p><b>Dates / Time</b> 2011, week 43+44, 4 days, afternoon</p> <p><b>Concept</b> The workshop aims at introducing the students to algorithmic design thinking.</p>	<p><b>Level / Participants</b> Master, 4th and 5th year, approximately 20 students 1 Tutor, 0 Assistants</p> <p><b>Evaluation</b> Overall positive feedback</p>
2) AADA20	<p><b>Title</b> Form/Transform/Transcribe</p> <p><b>Type</b> Rhinoceros. * Learning the 3d-nurbs modelling software Rhinoceros. * For beginners and advanced users. * A homepage was made for the workshop.</p>	<p><b>Dates / Time</b> 2012, week 36, 5 days, fulltime</p> <p><b>Concept</b> * The workshop focuses on working with geometry digitally and with your hands, supported by digital tools. * The workshop goal is more about your design process than the final presentation. * We want you to discover new ideas while working and simultaneously learn new tools.</p>	<p><b>Level / Participants</b> Bachelor, entire 3rd year, 80 Students 2 Tutors, 4 Assistants</p> <p><b>Evaluation</b> The concept of working with physical models in order to understand the digital working methods was very appreciated and rendered good results. The students reviewed the course with very positive words, e.g.: - Overall positive feedback - "Best" workshop students have had in long time - Emphasis on learning the tool / software was great and balanced appropriately with expectations of final work</p>
3) AADA10	<p><b>Title</b> Form/Transform/Transcribe</p> <p><b>Type</b> Rhinoceros. * Learning the 3d-nurbs modelling software Rhinoceros. * For beginners and advanced users. * Preparing for the upcoming Furniture Project * A homepage was made for the workshop.</p>	<p><b>Dates / Time</b> 2012, week 40, 5 days, fulltime</p> <p><b>Concept</b> * The workshop focuses on working with geometry digitally and with your hands, supported by digital tools. * The workshop goal is more about your design process than the final presentation. * We want you to discover new ideas while working and simultaneously learn new tools.</p>	<p><b>Level / Participants</b> Bachelor, entire 2nd year, 80 Students 2 Tutors, 4 Assistants</p> <p><b>Evaluation</b> The concept of working with physical models in order to understand the digital working methods was very appreciated and rendered good results. The students reviewed the course with very positive words, e.g.: - Overall positive feedback - Specific compliments on teaching methods</p>
5) AAHN15	<p><b>Title</b> The Creative Tools</p> <p><b>Type</b> Grasshopper. - the graphical algorithmic editor for Rhinoceros 3d</p>	<p><b>Dates / Time</b> 2012, week 42+44, 4 days, afternoons</p> <p><b>Concept</b> Algorithmic design thinking Oriented according to student's prior knowledge a) Learning the basics of and/or b) advanced usage of the graphical algorithmic editor Grasshopper - a plug-in for Rhinoceros 3d  Additionally: Students could present specific modelling problems and get Grasshopper/algorithmic-driven suggestions for solutions from Fredrik.</p>	<p><b>Level / Participants</b> Master, 4th and 5th year, approximately 20 students 1 Tutor, 0 Assistants</p> <p><b>Evaluation</b> Overall positive feedback  The individual, project specific, support was very appreciated The students reviewed the course with very positive words.</p>
6) AAHN15	<p><b>Title</b> The Creative Tools</p> <p><b>Type</b> Grasshopper. - the graphical algorithmic editor for Rhinoceros 3d</p>	<p><b>Dates / Time</b> 2013, week 09+10+14+19, 8 days, afternoons</p> <p><b>Concept</b> Algorithmic design thinking Oriented according to student's prior knowledge a) Learning the basics of and/or b) advanced usage of the graphical algorithmic editor Grasshopper - a plug-in for Rhinoceros 3d  Additionally: Students could present specific modelling problems and get Grasshopper/algorithmic-driven suggestions for solutions from Fredrik.</p>	<p><b>Level / Participants</b> Master, 4th and 5th year, approximately 20 students 1 Tutor, 0 Assistants</p> <p><b>Evaluation</b> Overall positive feedback  The individual, project specific, support was very appreciated The students reviewed the course with very positive words, e.g.: - "best introduction to Grasshopper I have had"</p>
7) AADA10	<p><b>Title</b> Form/Transform/Transcribe</p> <p><b>Type</b> Rhinoceros. * Learning the 3d-nurbs modelling software Rhinoceros. * For beginners and advanced users. * Preparing for the upcoming Furniture Project * A homepage was made for the workshop.</p>	<p><b>Dates / Time</b> 2013, week 37, 5 days, fulltime</p> <p><b>Concept</b> * The workshop focuses on working with geometry digitally and with your hands, supported by digital tools. * The workshop goal is more about your design process than the final presentation. * We want you to discover new ideas while working and simultaneously learn new tools.</p>	<p><b>Level / Participants</b> Bachelor, entire 2nd year, 80 Students 2 Tutors, 4 Assistants</p> <p><b>Evaluation</b> The concept of working with physical models in order to understand the digital working methods was very appreciated and rendered good results. The students reviewed the course with very positive words, e.g.: - Overall positive feedback - Specific compliments on teaching methods</p>
8) AADA01	<p><b>Title</b> "Elevator Pitch"</p> <p><b>Type</b> Grasshopper. - the graphical algorithmic editor for Rhinoceros 3d</p>	<p><b>Dates / Time</b> 2013, week 39, 5 days, fulltime</p> <p><b>Concept</b> Algorithmic design thinking Oriented according to student's prior knowledge a) Learning the basics of and/or b) advanced usage of the graphical algorithmic editor Grasshopper - a plug-in for Rhinoceros 3d  Additionally: Students could present specific modelling problems and get Grasshopper/algorithmic-driven suggestions for solutions from Fredrik.</p>	<p><b>Level / Participants</b> Bachelor, entire 1st year, 80 Students 1 Tutor, 4 Assistants</p> <p><b>Evaluation</b> Overall positive feedback  The individual, project specific, support was very appreciated The students reviewed the course with very positive words.</p>

