



<b>GENERAL INFORMATION</b>	
<b>DEGREE PROGRAMME</b>	Degree Programme in Agriculture and Rural Industries
<b>PERIOD OF EXECUTION</b>	2013-2017
<b>SCOPE</b>	240 ECTS credits
<b>DESCRIPTION</b>	The Agronomist education programme provides students with strong competence in livestock production, crop production, and forest management. The learning process focuses on a wide range of rural businesses. The learning process may also emphasise personal interests of agricultural production, environmental stewardship, bio-energy, and agricultural services.
<b>LANGUAGE OF STUDY</b>	Finnish
<b>CODE</b>	LMA13S1
<b>DEGREE</b>	Bachelor of Natural Resources
<b>DEGREE LEVEL</b>	National Qualifications Framework level 6.
<b>TARGET GROUP AND ADMISSION CRITERIA</b>	Those who have completed the matriculation examination or graduates of vocational education are eligible to study as an Agronomist (Bachelor's degree) in accordance with the description of the admission criteria of the Bachelor of Natural Resources degree (2013). At JAMK University of Applied Sciences, this degree has no entrance examination.
<b>STUDIES</b>	
<b>KEY LEARNING OUTCOMES</b>	<p><b>Agriculture and forestry production</b></p> <ul style="list-style-type: none"><li>- is familiar with the entire farm including functions and work</li><li>- is able to cultivate fields appropriately and profitably</li><li>- is able to care for, feed and process livestock profitably, taking into account their health and wellness</li><li>- is able to use agricultural machinery and equipment efficiently and safely</li><li>- is able to manage and use the forest in an economically and ecologically sustainable manner</li></ul> <p><b>As a rural area operating environment</b></p> <ul style="list-style-type: none"><li>- is familiar with networks of operators in rural areas and is able to work on these networks</li><li>- is familiar with international and national rural policy and knows their implications for regional, rural and agricultural operating conditions and development</li></ul> <p><b>Business skills and entrepreneurship</b></p> <ul style="list-style-type: none"><li>- is familiar with principles of entrepreneurship and business areas</li><li>- is able to lead and develop rural enterprises systematically, and in an economically viable way</li></ul>

	<p><b>Environmental awareness</b></p> <ul style="list-style-type: none"> <li>- knows the environmental impact of their activities</li> <li>- knows the rural enterprise and environment interaction and is able to develop the business in an environmentally responsible way</li> </ul> <p><b>Competence areas in the special skills</b></p> <ul style="list-style-type: none"> <li>- comprehensively masters professional research, development and application skills</li> <li>- independently masters the creative solutions for problems in their competence area, as well as in various roles for a working group</li> </ul>																														
<p><b>PROFILE</b></p>	<p>In the Agronomist education programme skills may be extended or deepened flexibly according to their interest. Students may extend their skills by operating within projects through thesis topic selection and specialised practical training. Studies can be selected in addition to the student's own degree programme also from other domestic and foreign universities.</p> <p>During the studies, the students network and acquire extensive contacts with working life which all support the employment.</p> <p>Students are encouraged towards entrepreneurship and internationalisation.</p>																														
<p><b>COURSE STRUCTURE</b></p>	<p style="text-align: center;"><b>MAASEUTUELINKEINOJEN KOULUTUSOHJELMA</b> 240 op</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Pakolliset ammattiopinnot</th> <th>Vaihtoehtoiset ammattiopinnot</th> <th>Opinnäyte</th> <th>Harjoittelu</th> <th>Pakolliset perusopinnot</th> </tr> </thead> <tbody> <tr> <td>1. VUOSI</td> <td>41</td> <td>6</td> <td>13</td> <td>0</td> <td>0</td> </tr> <tr> <td>2. VUOSI</td> <td>43</td> <td>3</td> <td>9</td> <td>5</td> <td>0</td> </tr> <tr> <td>3. VUOSI</td> <td>40</td> <td>8</td> <td>7</td> <td>1</td> <td>4</td> </tr> <tr> <td>4. VUOSI</td> <td>21</td> <td>15</td> <td>8</td> <td>6</td> <td>10</td> </tr> </tbody> </table> <p>(the figure is explained for students in english)</p>	Year	Pakolliset ammattiopinnot	Vaihtoehtoiset ammattiopinnot	Opinnäyte	Harjoittelu	Pakolliset perusopinnot	1. VUOSI	41	6	13	0	0	2. VUOSI	43	3	9	5	0	3. VUOSI	40	8	7	1	4	4. VUOSI	21	15	8	6	10
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<b>COURSE CONTENT AND PERFORMANCE</b>	<p>The course includes basic and vocational studies, elective studies, specialization training, and a graduation thesis.</p> <p>The course shall be completed within two semesters from its beginning. The exception is the graduation thesis, practical training, special working life oriented project studies, as well as extensive courses implemented in a number of semesters. In cases where a course remains incomplete, the student shall re-start it.</p> <p>In the first contact lesson of a course, a review is carried out of the course's learning objectives and content, along with the different procedures and evaluation criteria; additionally, the possible examination date is agreed upon (the immediate time at which this will be carried out) and the course completion date is announced, after which no further attempts are accepted. Students have the opportunity to try to complete a course a total of three times: during the immediate performance of the course or in two specially determined resit exam times.</p>
<b>LEARNING ASSESSMENT</b>	<p>Learning outcomes are assessed in relation to the course's learning objectives. Assessment decisions are based on the evaluation criteria provided in the course descriptions. Courses are assessed on the assessment scale that is specified in the course description. According to its purpose, the scale may be one of five steps: 5 (excellent), 4 (very good), 3 (good), 2 (satisfactory) and 1 (adequate) or a pass (P) or fail (0). The course has been failed (with a fail (0)) if the student does not achieve the minimum outcomes that are set for the completion of the course.</p> <p>Students have the right to know how the evaluation criteria are applied to their skills. Course performance is recorded in the transcript of records no later than one month after the declared point of completion for the course and always before the end of the academic year.</p>
<b>ACCREDITATION AND RECOGNITION OF PRIOR LEARNING (RPL)</b>	<p>The procedures for accreditation are described in the Degree Regulations and in the Study Guide.</p>
<b>MODE OF STUDY</b>	<p>The main way of performance of the studies:</p> <ul style="list-style-type: none"><li>• contact studies</li><li>• distance learning (eg. virtual learning, online studies)</li><li>• independent study</li><li>• through independent and group exercises</li><li>• with practical training in companies or in projects in the field</li></ul>
<b>PROFESSIONAL GROWTH AND KNOW-HOW</b>	<p>The learning process is moved forwards by competence areas. These are made up of courses. The general competencies of the University of Applied Sciences and the degree programme-specific competencies are attached to courses and competence areas and courses.</p> <p>In addition to compulsory courses, almost every competence area also includes optional vocational studies and elective studies. In addition, students may opt to choose courses from other course offerings at the University of Applied Sciences or from the course offerings of other institutions of higher education. Using this option, students may choose to profile production technology, environmental stewardship, bio-energy, and agricultural services.</p>



	<p>The competence areas that are common for everybody in the Degree Programme in Agriculture and Rural Industries are as follows:</p> <ul style="list-style-type: none"><li>• Transferable skills (15 ECTS credits)</li><li>• Animal production (32 ECTS credits)</li><li>• Crop production (33 ECTS credits)</li><li>• Forestry (21 ECTS credits)</li><li>• Bio-energy (5 ECTS credits)</li><li>• Sustainable use of natural resources (9 ECTS credits)</li><li>• Rural entrepreneurship (44 ECTS credits)</li><li>• Research and development skills (35 ECTS credits)</li></ul> <p>in addition, optional and elective vocational courses are also offered in Animal Production, Bio-energy, Sustainable Use of Natural Resources and Rural Enterprise.</p> <p>Optional vocational studies degree includes a minimum of 32 ECTS credits and elective studies 10 ECTS credits.</p>
<b>QUALIFICATION REQUIREMENTS AND REGULATIONS</b>	<p>The profession does not have specific eligibility requirements based on legislation.</p>
<b>ADDITIONAL INFORMATION</b>	<p>Students may be charged separately for the cost of materials where such costs correspond to real life acquisitions or production costs in terms of teaching materials, tools, equipment, or supplies that remain in the student's possession after their education has been completed. If a student obtains similar materials from other sources, he or she is not charged for the cost of materials (Government Decree 1230/2009 2 §).</p> <p>Bachelor's degree programme is free for students.</p>
<b>GRADUATION</b>	<p>The requirement for the receipt of the certificate of Bachelor degree is that students complete the studies for their degree programme during the study period in accordance with the personal learning plan (PLP).</p> <p>JAMK University of Applied Sciences provides students with a certificate of completion for their Bachelor's degree (240 ECTS credits). A transcript is attached to the certificate.</p>
<b>EMPLOYMENT AND FURTHER STUDIES</b>	
<b>EMPLOYMENT OPPORTUNITIES</b>	<p>Advisory and expert services (including animal production, crop production, bio-energy), agricultural and rural enterprise, official duties, agricultural secretary, teaching activities, agricultural trade, finance and insurance industry functions, various research and development projects.</p>
<b>OPPORTUNITIES FOR POST-GRADUATE STUDIES</b>	<p>After graduation and after about three years of a working life phase, the students of a Bachelor's degree programme can continue their studies in a Master's degree programme. The Master's degree at the University of Applied Sciences is a university level Master's degree. Students can also continue their studies by applying for courses such as, for example, the Master's degree programmes at universities or for an equivalent training course. After the completion of Bachelor's studies it is, of course, also possible to continue in foreign institutions of higher education on the Master's level degree programmes.</p>



	<p>In the Degree Programme in Agriculture and Rural Industries, as an alternative to the Master's degree in the University of Applied Sciences, are offered postgraduate studies at the Master's programmes at the University of Helsinki.</p> <p>The University of Applied Sciences also offers continuing education opportunities for specialisation studies, learning agreement type in-service training, as well as in working life based continuing education. If a student graduates from the Master's degree programme, he or she can get the opportunity to continue their studies in the scientific or artistic studies at universities (37 §/558/2009). All further studies must be applied for separately.</p>
<b>OTHER INFORMATION</b>	
<b>HEAD OF THE DEGREE PROGRAMME</b>	Jukka Nikkilä, programme coordinator, +358 (0) 400-279591, <a href="mailto:firstname.lastname@jamk.fi">firstname.lastname@jamk.fi</a>
<b>PROGRAMME PLANNING PROCESS</b>	<p>For development of the Degree Programme in Agriculture and Rural Industries an internal development project was set in the performance and production agreement 2006-2009, entitled "Assessment of the need for education oriented and the development" Within the development project, an assessment of the working life compliance of various training programmes has been implemented. The definition of the quality criteria for the education process and the learning and development of the necessary evaluation methods was supposed to be attached as a continuation of the project to the final part of the year 2009.</p> <p>The needs-based and working life-based nature of the Degree Programme in Agriculture and Rural Industries where it is related to the projects described above was evaluated by means of a large-scale survey which was sent out to various stakeholder parties in the spring of 2007. The Rural Industries Advisory Committee, which started its work in 2011, has also provided constructive feedback for the development of the degree programme. In 2012, a thesis entitled "An agronomist in working life", was published, and reflections of the results of this can already be found in this curriculum.</p>
<b>SCHOOL</b>	JAMK University of Applied Sciences School of Technology, Degree Programme in Agriculture and Rural Industries Tuumalantie 17 43130 Tarvaala
<b>QUALITY MANAGEMENT</b>	<p>JAMK University of Applied Sciences is using the quality management system that has been audited by the Finnish Higher Education Evaluation Council (FINHEEC). Education is developed on the basis of course feedback collected from students.</p> <p>The Degree Programme in Agriculture and Rural Industries also collects mid-course feedback, and the results of this can be used for the ongoing course.</p> <p>The principles of the curriculum are approved by the JAMK University of Applied Sciences Academic Board and by the Vice Rector of the degree programme specific curriculum.</p>
<b>PEDAGOGICAL PRINCIPLES</b>	<p>The degree programme is implemented in accordance with the pedagogical principles established by the University of Applied Sciences Academic Board.</p> <p>For more information: <a href="http://www.jamk.fi/english/aboutus/facts/pedagogical-principles">http://www.jamk.fi/english/aboutus/facts/pedagogical-principles</a></p>



<b>ETHICAL PRINCIPLES</b>	The students and employees of JAMK University of Applied Sciences operate jointly according to the accepted (by JAMK Academic Board on 15.12.2010) ethical principles. For more information: <a href="http://www.jamk.fi/english/aboutus/facts/ethicalprinciples">http://www.jamk.fi/english/aboutus/facts/ethicalprinciples</a>
<b>LAST UPDATE</b>	20.12.2012
<b>CURRICULUM APPROVED</b>	21.12.2012 Heikki Malinen, Vice Rector