Appendix Assessment Criteria of Practice of Basic Informatics

These assessment criteria are used to assess achievement of learners in topics treated in the course Practice of Basic Informatics. Level C is the level required to pass the course, level A is a goal of this course. Level S shows the goal that learners should acquire in the whole undergraduate program. Topics with a white background color are not covered in this course.

Topic Category	Su	bcategory [.]	Topic	Level C	Level A	Level S	Notes
				but are insufficient (at the level	Level that meets necessary basic skills (goals of this course)	Level to be achieved in the undergraduate program	Considered in teaching and assessment methods
Using in			mation services and network	The learner understands in-campus services but can use only some of them.	in-campus information services.	The learners use the in-campus information services effectively for his/her learning.	Assessed by usage of KULASIS, PandA(LMS), and KUINS (campus network).
			C to the campus network	or smartphone to the campus	The learners understands the necessity of encryption, and can connect his/her PC and smartphone to the campus network and VPN services.	The learner can connect his/her devices choosing methods adequately if multiple methods are available.	Assess through practice.
	FOI			The learner can compose messages explicitly describing subject, sender and recipient(s).		The learner can use fields for recipients such as Cc, Bcc, Reply-to adequately and can use e-mail for communication among groups	Assess through practice.
			Proper handling of received messages	The learner understand proper handling of receives messages, and practices it.		Same as on the left	Assess with tests
		(Consideration of attachments	The learners can attach files of adequate sizes, but can't compress	important files	The learner understands how to send files other than attachments, their safe usage, and can use them appropriately in e-mails.	Assess through practice.
	Op	eration of L	MS used in classes.	does not fully meet the requirements.	The learner can see files and submit assignments with LMS adequately.	The leaner can effectively organize usages of KULASIS, LMS and the Student Mail System.	Assess through usage of LMS(PandA)
	Ru	Rules about using information networks.		to some extent but is insufficiently		the rules by him/herself and improves his/her practice.	Completion of information security e-Learning
university				practices the usages of ICT for intellectual production in courses		The learner actively understands and practices the usages of ICT for intellectual production in courses and extracurricular activities	Assess in the following topics
Dasics of	Ba op	Basic knowledge of computer and OS operation (such as information security and proper use of software licenses) as an independent PC owner					
			Understanding the basic mechanism of the computer and the role of the OS	roles of US to some extent, but needs other's assistance for safe	the role of the OS, and can operate	The learner has basic knowledge of the mechanism of the computer and the role of OS, and can troubleshoot and improve their performance.	Assess with tests
		-	Proper use of software licenses	The learner understands software licensing, and uses it properly	The learner understands software licensing, and use it appropriately	The learner understands software licensing, and use software which is licensed to university, and open source software appropriately	Assess with tests
			Connecting external devices to a PC.	he/she needs assistance in		The learners can set up a wired or wireless network, and can connect a PC a printer etc. by him/herself.	Assess with tests
	dev sta	vices such a	DS as the basis for using applications (files, as printers, networks, processes, memory, users, down, and GUI). Type of OS such as Windows or tion.		The learner can set up required OS functionality by him/herself.	The learner can set up required OS functionality, for effective and efficient use of the PC.	Assess with tests
	То	uch typing,	shortcut keys, and typing in English	 The learner 1) understands touch typing, and practices to some extent, 2) uses shortcut keys, 3) knows the rules for English typing and practices these and 4) can use character codes adequately. 	The learner 1) understands touch typing and practices it. 2) \sim 4) same as on the left	The learner practices touch typing well, can operate the PC to some extent without a mouse, same as on the left can select appropriate character codes, and can convert them if necessary 	Assess with typing speed, and composing documents in English
	Academic information seeking and use of University library			The learner understands information resources provided by the University library, and can seek necessary information to some	necessary information	The learner understands information resources provided by the University library, can seek necessary information effectively and efficiently, and use these critically.	Assess with tests and information search practices.
	Da		ation adequate for processing, skills for validation	The learner can compose a spreadsheet taking data processing into account.	The learner can compose a spreadsheet taking data processing into account, and can set up input validation to avoid orthographic variants.	In addition to level A, the learner can check input data effectively	Assess through making of spreadsheets

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	Basic operation of data, sorting, aggregation and cross abulation		The learners can sort data for analysis, and can operate simple aggregation	In addition to level C, the learner can operate cross-tabulation	In addition to level C, the learner can operate aggregation with multiple conditions according to	Assess through making of spreadsheets
	Numerical sir	nulation using a spreadsheet	The learner can carry out simulation of given difference equations.	The learner can operate simulations, changing model parameters.	simulations according to his/her need.	Assess through making of spreadsheets
	Plotting data as charts for visualization, requirements for charts for academic documents		The learner can plot data as a chart, but fails in selecting an adequate format.	The learner can plot data as a chart, and formats such as axes are adequately set and necessary information is provided.	The learner can select chart types according to his/her need, and can make charts with appropriate formatting.	Assess through making of spreadsheets
Jsing wo		or academic writing				
		g word processor for academic writing. Converting ure to physical presentation, using templates and references				
		Creation of structured documents	The learner can compose paragraphs and headings with physical expression by inserting spaces and newlines.	The learner can use templates for paragraphs and headings, and edit them with the outline view.	In addition to level A, the learner can adjust templates according to his/her need.	Composition of documents
		Inserting figures and tables	The learner can make document with figures and tables. The learner inserts captions and numbers of figures and tables manually.	The learner can insert captions and numbers of figures and tables using styles and resolving cross- references automatically.	In addition to level A, the learner can adjust the format of figures and tables according to his/her need.	Composition of documents
	Appropriate writing of references, citations, and proper quoting of copyrighted materials Communication skills such as review of created documents		The learners can make references with adequate bibliographical information. The learner understands difference of plagiarism and quote, and can make adequate quote.	solve cross-references among citations and references automatically. The learners can manage references adequately.	In addition to level A, the learner can manage references efficiently and utilize them using tools for reference management. The learner understands the format required in his/her academic field, and can make documents accordingly	Assess with tests and composition of documents
			According to review on the printed document, the learner can revise his/her document.	The learner can use review functions of the word processor, such as recording changes, attachment of comments and reflecting on the changes.		Assess by practice of review
Collabora	ation over netv	vork				
	Skills for collaboration over a network such as file and document sharing		The learner can access files using services available to him/her.	The learner can share files with adequate control of access and respecting copyright with available services.		Assess through usag of LMS(PandA)
		use of social media	The learner understand risks of using social media and take ethical behaviors.	The learner understand risks of using social media and can offer information appropriately	The learner can use social media	Completion of information security e-Learning
ikills for	presentation Creation of sl	lideo				
		Structuring slides	The learner can create almost logically structured slides, while some inadequacies remain. The learner can insert charts and	The learner can create logically structured slides. The learner can insert charts and	The learner can create slides structured effectively, considering their audience. The learner can present his/her	Assess through presentation or composition of slides Assess through
		Use of charts and tables in slides	tables into slides, but their use in presentations is insufficient.	tables into slides and use them in his/her presentation.	slides effectively using charts and tables.	presentation or composition of slides Assess through
		Use of visual effects	The learner uses visual effects, but usage is not fully adequate.	The learner can use visual effects adequately in his/her presentation.	The learner can use visual effects in his/her presentation effectively.	presentation or composition of slides
	Presentation				The learner use his/her time with	
		Making a presentation within an allocated time	The learner can use presentation time almost adequately.	The learner can use presentation time effectively.	an effective schedule for his/her	Assess through presentation
		Responses to questions	questions.	The learner can answer questions adequately on referring to slides, and records this.	The learner can prepare slides for possible questions and discuss things constructively.	Assess through presentation
		Presentation by a team	The learner can collaborate with team members to make a presentation effective, to some extent.	The learner can collaborate with team members to make an effective presentation.	The learner can make a presentation even if some of the members absent.	Assess through presentation and pee evaluation
	Use of graphical expression such as diagrams and charts		The learner can use graphical expression such as diagrams in his/her presentation, but this is not sufficient.	The learner can use graphical expression such as diagrams in his/her presentation. The learner understand basic	The learner can make a presentation using graphical expression effectively and creatively.	Assess through presentation or composition of slides
Basics of	programming	(optional)	The learner has experience of programming but can't write a	elements in a programming	The learner can make small	Assess thorough

	program by him/herself.	programs.	solving tools.	assignments
	programming, but can't write a	language and can write small		programming
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