

## Appendix A

### Perceptual IT Fluency Skills Student Survey: Final Draft for Expert Panel Evaluation of Content Relevance

Statement	Content Relevance (please circle or highlight your choice)
<p><b>Contemporary Skills: ability to use today’s computer applications, enable people to apply information technology immediately. Participants will answer these questions as no knowledge, some knowledge, average knowledge, expert knowledge.</b></p>	
<p>1. When it comes to using basic operating system features, I consider myself to have ____.</p> <p>Suggestions for changes:</p>	<p>1 = not relevant            2 = somewhat relevant            3 = quite relevant but needs minor revisions            4 = highly relevant</p>
<p>2. When it comes to using a software program to create a text document, I consider myself to have ____.</p> <p>Suggestions for changes:</p>	<p>1 = not relevant            2 = somewhat relevant            3 = quite relevant but needs minor revisions            4 = highly relevant</p>
<p>3. When it comes to using a graphics or art package to create illustrations, slides, or image-based expression of ideas, I consider myself to have ____.</p> <p>Suggestions for changes:</p>	<p>1 = not relevant            2 = somewhat relevant            3 = quite relevant but needs minor revisions            4 = highly relevant</p>
<p>4. When it comes to using a spreadsheet to model simple processes of financial tables, I consider myself to have ____.</p> <p>Suggestions for changes:</p>	<p>1 = not relevant            2 = somewhat relevant            3 = quite relevant but needs minor revisions            4 = highly relevant</p>
<p>5. When it comes to using instructional materials to learn how to use a new application or features, I consider myself to have ____.</p> <p>Suggestions for changes:</p>	<p>1 = not relevant            2 = somewhat relevant            3 = quite relevant but needs minor revisions            4 = highly relevant</p>
<p><b>Foundational concepts: basic principles and ideas of computers, networks, and information. Participants will answer these questions as strongly disagree, disagree, neutral, agree, strongly agree.</b></p>	
<p>1. I can explain how a computer operates.</p> <p>Suggestions for changes:</p>	<p>1 = not relevant            2 = somewhat relevant            3 = quite relevant but needs minor revisions            4 = highly relevant</p>
<p>2. I can identify a computer hardware problem.</p>	<p>1 = not relevant</p>

Suggestions for changes:	2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
3. I can identify a computer software problem. Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
4. I can define computer storage. Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
<b>Intellectual capabilities: the ability to apply information technology in complex and sustained situations . . . fosters more abstract thinking about information and its manipulation. Participants will answer these questions as strongly disagree, disagree, neutral, agree, strongly agree.</b>	
1. If something went wrong with my computer or a computer I was using, I would likely:	
Ignore the problem Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Troubleshoot the problem myself Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Find a way to work around the problem Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Use online support and/or knowledge bases to solve the problem Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Use printed reference manuals to identify and solve the problem Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Ask a friend or family member for help Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
2. I can easily learn new software applications. Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
3. I feel comfortable and confident when using	1 = not relevant

new technologies. Suggestions for changes:	2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
4. When I want to use a new function or feature in a software application, I would likely: Suggestions for changes:	
Use the application help screens Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Read the user manual Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Call a help desk attendee Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Ask a friend or family member Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Access online resources Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant
Figure it out myself Suggestions for changes:	1 = not relevant 2 = somewhat relevant 3 = quite relevant but needs minor revisions 4 = highly relevant