

**CpS 469/479**  
**Information Technology Seminar**  
**Computer Science Seminar**  
**Cybersecurity Seminar**  
*Fall/2022*

Instructor:	James A. Knisely, Ph.D.
Office:	Alumni 64
Office Hours:	MWF 10:00 – 10:50 a.m.; TTh 9:00 – 9:50 a.m. Please email or text to confirm availability
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Communication Policy:	Feel free to email or contact me via Microsoft Teams for questions and/or extended help. You may text where appropriate (not during class).
Classroom:	AL 115
Meeting:	Mon 3:00 - 3:50 p.m.
Credit/Load:	1/1
Textbook/Resources:	<ul style="list-style-type: none"> <li>• <a href="#">Technology</a> by Derek C. Schuurman. Given at Bethel Chapel University 2.22.17; <a href="https://vimeo.com/205900409">https://vimeo.com/205900409</a></li> <li>• <i>Virtually Human</i> by Ed Brooks &amp; Pete Nicholas. Inter-Varsity Press, 2015. [<a href="#">Inter-Varsity Press</a>]</li> <li>• <i>Shaping a Digital World: Faith, Culture, and Computer Technology</i> by Derek C. Schuurman. Inter-Varsity Press, 2013. [<a href="#">Inter-Varsity Press</a>]</li> <li>• Online readings will be assigned on topics including diversity, privacy, displaced workers, and technology's impact.</li> </ul>

### Catalog Description:

Required of all students majoring in Computer Science or Information Technology. Gives seniors an opportunity to examine different facets of a professional career including spiritual growth, continual learning, and employment.

### Course Context:

The seminar course is a course exclusively taken by computer science and information technology majors. Hence, its main context is to fulfil the goals and objectives of the Computer Science Program.

### Course Goal:

The goals of this course are to prepare the student for life after an undergraduate by contemplating

- spiritual growth,
- continual learning, and
- employment

### Course Objectives:

The student will

- EM1: produce an up-to-date resume,
- EM2: produce a complete Linked-In profile,
- EM3: attend one or more professional meetings,
- EM4: be a member of a professional organization and/or possess a professional certification.
- SG\*: participate in weekly discussions in class and submit a short summary of his/her thoughts.
- CL: investigate a current area of research and present the investigation
  1. in written form, and
  2. in an oral presentation.
- CL\*: evaluate several graduate programs in IT/CpS. *Only required for students who are unable to complete an employment category and/or needing to make-up a missed class discussion.*

### Course Requirements:

A 10-point grading scale, with 1-digit rounding, will be used. The grade for this class will be based upon the following categories:

Category	Percentage	Description
Continual Learning	70%	Based upon the five CL objectives.
Spiritual Growth	15%	Based upon the three SG objectives.
Employment	15%	Based upon the four EM objectives.

## General Policies:

### Class Deportment

Compliance with student handbook policies is expected during class. All class deportment should reflect your intention to pay attention, to be polite, and to be professional. Laptops may be used to take notes and to perform calculations and constructions during class. Please do not use the laptop for other purposes during class since studies have demonstrated that one's student's misuse of a laptop during class tends to diminish the learning of the surrounding students.

### Accommodations for Students with Disabilities

Any student with disabilities or any additional needs is encouraged to contact the instructor within the first week of the course to discuss accommodations that may be necessary.

### Attendance Policies and Academic Penalty for Absences

- Attendance will be tracked and reported according to the university attendance policy:
  - Students are expected to attend and arrive on time for all scheduled class sessions, including the final exam.
  - Students are to use effective time management in order to meet their class attendance responsibilities.
  - Up to three (3) personal Absences may be taken for funerals, for sickness, for doctor's or dentist's appointments, for visits and interviews at graduate schools or for interviews for future employment.
  - Up to four (4) Service Absences may be taken to attend approved academic functions or conferences, approved Christian service projects, required military duty or as part of an intercollegiate athletic team. However, students who exceed the Personal Absence limit due to a chronic illness are not eligible to participate in events that require Services Absences. Also, students who are on any type of academic restriction (including probation) or who have a current grade report with a cumulative GPA below 2.0 are not eligible to participate in events that require Service Absences.
  - Arriving late or leaving early is marked as a partial attendance. Three (3) partial attendance marks count as a personal absence.
  - Missing more than 15 minutes of class is marked as an absence.
  - For more details and information about chronic illness, please see the Class Attendance Policy on the [BJU Policies](#) page.
- Students are responsible for all material and announcements given in class.
- If a student is absent for an exam and has a good reason, the student is to notify the instructor before the exam is covered in the next class.

### Late Work

Work is due at the specified deadline. Late work is accepted at the instructor's discretion. Notify the instructor immediately if a situation arises necessitating an extension. Early, impressive work is encouraged and may be rewarded.

### Academic Honesty

You are expected to uphold the school standard of conduct relating to academic honesty:

- [School-wide](#) – The link can be found on the [BJU Policies](#) page.
- [CpS Department clarifications](#) – What is allowed/disallowed in code submissions.

You must assume full responsibility for the content and integrity of the academic work you submit. The guiding principle of academic integrity is that your submitted work; examinations, reports, and projects must be your own work. You are guilty of violating this policy if you:

- Represent the work of others as your own.
- Use or obtain unauthorized assistance in any academic work.
- Give unauthorized assistance to other students.
- Modify, without instructor approval, an examination, paper, record, or report for the purpose of obtaining additional credit.
- Misrepresent the content of submitted work.

Misrepresenting your work is unethical in any setting. In an academic setting, it is a breach of the university policies. The penalty for cheating is severe. Any student cheating is subject to receive a failing grade for the assignment and will be reported to the Dean. If you are unclear about whether a particular situation may constitute cheating, consult with your instructor about the situation. For this class, it is permissible to assist classmates in general discussions of construction techniques. General advice and interaction are encouraged. Each of you must develop your own solutions to the assigned projects, assignments, and tasks. In other words, you may not "work together" on graded assignments with other students unless instructed to work as a group on a particular assignment. Such collaboration constitutes cheating. You may not use or copy (by any means) another's work (or portions of it) and represent it as your own.

Learning how to use sources appropriately is a vital part of your development as a student. To assist you in this endeavor, the university uses Turnitin, an academic plagiarism checker. Registration in this course constitutes permission for the teacher to submit any or all assignments to Turnitin.

## Copyright Policy:

Copyright-2018 (Knisely/Hughes) as to this syllabus and all lectures. Students are prohibited from selling (or being paid for taking) notes during the course to, or by any person, or commercial firm, without the express written permission of the professor teaching the course.

Count	DOW	Day	Topic	Link/Reading
1	Mon	29-Aug	Technology	<a href="https://vimeo.com/205900409">https://vimeo.com/205900409</a>
	Mon	05-Sep	Labor Day	
2	Mon	12-Sep	The Ethics of Computing	<a href="https://www.researchgate.net/publication/295683999_The_Ethics_of_Computing">https://www.researchgate.net/publication/295683999_The_Ethics_of_Computing</a>
3	Mon	19-Sep	Introduction	SDW: Chapter 1
4	Mon	26-Sep	Ministry / Tentmaking	
5	Mon	3-Oct	Computer Technology and the Unfolding of Creation	SDW: Chapter 2
6	Mon	10-Oct	Privacy; Sam Jadali (bio)	<a href="https://securitywithsam.com/2019/07/daspii-leak-via-browser-extensions/">https://securitywithsam.com/2019/07/daspii-leak-via-browser-extensions/</a>
	Mon	17-Oct		
7	Mon	24-Oct	Computer Technology and the Fall	SDW: Chapter 3
8	Mon	31-Oct	Redemption and Responsible Computer Technology	SDW: Chapter 2
9	Mon	7-Nov	Computer Technology and the Future	SDW: Chapter 5
10	Mon	14-Nov	Security; Hacking Alexa	<a href="https://www.usenix.org/system/files/conference/usenixsecurity18/sec18-kumar.pdf">https://www.usenix.org/system/files/conference/usenixsecurity18/sec18-kumar.pdf</a>
	Mon	21-Nov		
11	Mon	28-Nov	Open Source Software and Christian Thought	<a href="https://www.asa3.org/ASA/PSCF/2015/PSCF3-15Crisman.pdf">https://www.asa3.org/ASA/PSCF/2015/PSCF3-15Crisman.pdf</a>
12	Mon	5-Dec	Ethics in Computer Science	<a href="http://home.messiah.edu/~deroos/personal/copy.htm">http://home.messiah.edu/~deroos/personal/copy.htm</a>
13	Mon	12-Dec	Presentations	