

# +g QgZ Yl pl Y ml hZl [j• [[k<Y. l d] g

+g QgZ " <Zl ¥ ] <Ej [sZ h• sDl gh Ekgs Id<gZl [j• /+/ g<G<jl +g QgZ h  
l Ql ]g l g Qgjl l pl Y! <jl gh] N EQ [ E ] Y O >/EP] ] Y +g N h Q [ <Y j k Q h  
<jl ¥ ] [j P > g • k O h j > Á Á Á +g Z <g s ml hZl [j ] [j <Ej •! <g 7 l D l g  
[ q P j sl <g q <j P l G j < k d ] [ q P P j P Q g d ] g Q D < h G E j Y E l G Á Á



9 . AĀĀ• YkG/IEgDs

/kZZI gĀĀĀĀ

9 . YĀĀĀYĀĀYĀhkG [jh« Q<Y+g WEJ

9 . AĒÇĀ 9 . AĒÇĀ 9 . AĒÇĀY <hI g. I hI <gEP +g WEJ > >

/dgQOĀĀĀĀ

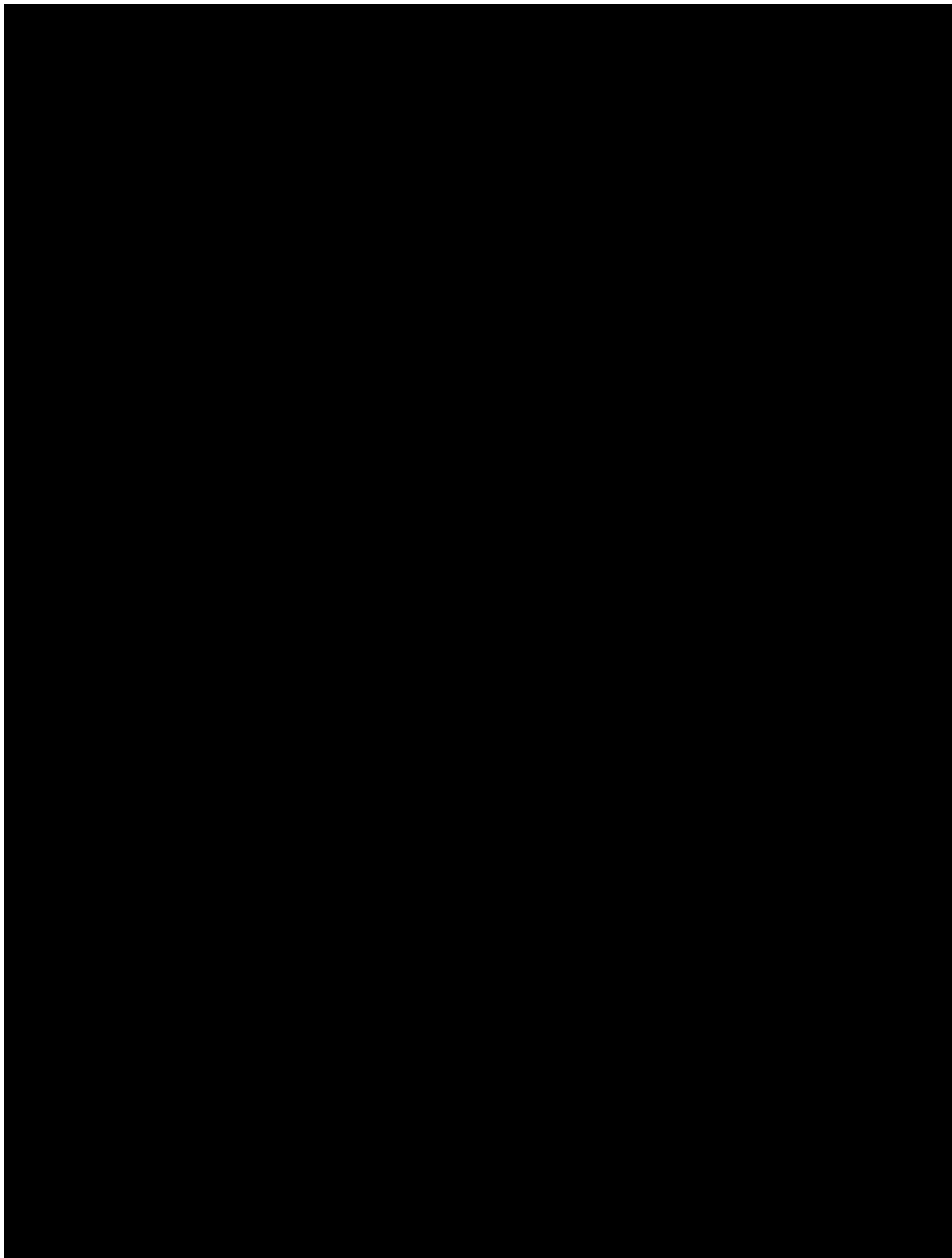
9 . YĒÇĀYĀĀYĀhkG [jh« ! <hI g. I hI <gEP +g hdl Ekh

9 . YĒÇĀYĀĀYĒhkG [jh« ! <hI g. I hI <gEP +g WEJ

9 . YĒÇĀYĀĀYĀhkG [jh« ! <hI g. I hI <gEP +g hdl Ekh

9 . YĒÇĀYĀĀYĒhkG [jh«

9 . ŸÄÄŸÄŸÄÄjkG[jh«« Q<Y+g Wj ŸÄÜ! ||j/j< G<G<{ GÉÜ ] []j! ||j/j< G<G /jkG[jhqP] G<



<h Bkg G[ljq]g/X/jkG[jhkj]G QN]z-jQ[ h Bkgp dgPEYhY<g l GQ 9 . YÁÁ<[ G

κ!

9 . ŸÄÄŸÄŸÄÄjkG [j « Q<Y+g WE ÉÚ! ||j/j< G<gŸÄÜ ] []j! ||j/j< G<g kgPOjPI Q<Ydg WE•hjR< G

Q dYZI [jI GjPl dg j] j sdl j] Z I I j j Pl hdl E Q j Q [ h G j I g Z Q I G Q j Pl dg p Q khjq] E kg





] bxϕb σ@B Ъ

O K

!

I p [ B ÷ h G < d d g < E + g W E h j s d l Q E K G 18 > 1 G h Q Z d < E ] [ d P P Q O I Z < Q j P g < j < < s h E Y k G  
E j Z d k j Q < Z [ [ O ] j P i g j ] d E I h d j P i p < Q j s ] N P i j ] d E h j k G [ j h l r P Q G < G l d k [ G g j < Q O ] N  
Q N g < j Q [ h E k g s d g P E Y h < G < d d Q G j P i Z E j [ h Q [ j Y j ] h N I O < g G h s j l Z h N j Z j P g < j h [ j P i / d g O ã Ã Ã Ã  
q l P < G ] k g D O O h j E j P j g < G P < G j ] N I g G N k g h E Q [ h ] N 9 . Y Ä Ä Ä ð l j q ] g Q O ] [ B d j h • Á Ú ] N P i h j k G [ j h  
G Q [ ] j Z I I j j P i h j < G < 9 . Y Ä Ä Ä Ä • Á É < d d g < E P i G j P i h j < G < 9 . Y Ä Ä Ä Ä • É Ú < d d g < E P i G j P i  
h j < G < É Ú < G É Ú Z I j j P i h j < G < G N j P i h h E j Q [ h 9 . Y Ä Ä Ä Ä ² Ä É h E j Q [ h Ä Ä Á Ú ] N j k G [ j h Z I j j P i



- 7 Pj qI g jPI NQGO]NPI <hI hZI [j<

/jkG [jhgP] E Z dYI GjPI jPg I Y] kgh fkl [ E h<ONE] G G Z] [hgjI GjPI E Z dl jI [ E hO QI GGkGO  
 jPI ! / sD gh EkgS dg QZ• 9 . YÄÄÄ< G 9 . YÄÄÄP<pl h<ONE] G dg pQqhM Z hjkG [jh< GNEkYs•

' ]q G s]k dY [ j] ¥E [jQkl j] ! kh jPQON]Z <jQ [ Z] pQON]g <G

0PI N]kgO [I g<Y! <hI g. I h <gP +g W E] ]djQ [ hq Q E [jQkl j] D ] N]g Gj] hjkG [jh• ] kgh hq QD  
 g G hQ I G<E gQOj] q P<jPI <hI hZI [jhg pl <Y G

! +\$. 0 " 0 +Y <hI hZ Q <[s <hI hZI [j j]] Y ¥ • G kDg Gh q QP jPQ d] g•



\$VVHVVPHQW 'DWD  
& \EHUVHFUXLW\  
6/2 \*UDGXDWHV ZLOO EH DEOH WR XWLQJ DUJXPHQWDWLRQ VNLOOV DSSURSULDWH IRU D JLYHQ SUREOHP RU FRQWH[W

	)DOO &<%5	)DDO &<%5	6XPPHU &<%5	6SULQJ &<%5	6XPPHU &<%5	6XPPHU &<%5	)DOO &<%5	6SULQJ 727\$/
'RHV 1RW 0HHW 6V	'HPRQVWUDW XQGHUVWDQGLQJ RI DUJXPHQWDWLRQ VNLOOV SUHVHQWLQJ DUJXPHQWV WKDW DUH XQFOHDU XQVSSRUWHG E\ HYLGHQFH RU LUUHOHYDQW WR WKH SUREOHP RU FRQWH[W DUJXPHQWV DUH RIWHQ LOORJLFDQ RU JODZHG IDLQJ WR DGGUHVW WKH LVVXH HIIHFWLYHO\							
\$SSURDFKHV 6WDQ	'HPRQVWUDWHV EDVLF DUJXPHQWDWLRQ VNLOOV ZLWK DUJXPHQWV WKDW DUH JHQHUDOO\ FOHDU DQG UHOHYDQW WR WKH SUREOHP RU FRQWH[W 6RPH HYLGHQ EXW WKH FRQHFWRQV EHWZHHQ HYLGHQFH DQG FRQFOXVLRQV PD\ EH ZHDN RU XQGHUHYHORSHG DUJXPHQWV PD\ ODFN GHSWK RU FRKHUHQFH RFFDVLRQDOO\ PLVVHQJ NH\ DVSHFWV RI WKH SUREOHP							
0HHWV 6WDQGDUG	(HIIHFWLYHO\ XWLQJHV DUJXPHQWDWLRQ VNLOOV SUHVHQWLQJ ZHOOR VWUXFWXUH DUJXPHQWV WKDW DUH FOHDU UHOHYDQW DQG VSSRUWHG E\ DSSURSULDWH HYLGHQFH 7KH DUJXPHQWV DUH ORJLFDQ FRKHUHQW DQG GLUHFWO\ DGGUHVW WKH SUREOHP RU FRQWH[W 7KH XVH RI HYLGHQFH LV VWURQJ ZLWK FOHDU FRQHFWRQV WR FRQFOXVLRQV GHPRQVWUDWLQJ D WKRURXJK XQGHUVWDQGLQJ RI HIIHFWLYH DUJXPHQWDWLRQ							

,QWURGXFHG 5HLQIRUFH 5HLQIRUFH 5HLQIRUFH (YDOXDWHG (YDOXDWHG (YDOXDWHG (YDOXDWHG

	)DOO	6XPPHU		6XPPHU	)DOO	
	&lt;%5	&lt;%5	&lt;%5	&lt;%5	&lt;%5	&lt;%5
	0	0	0	0	0	0
	\$			0	0	0
	0				0	0
	0				0	
	\$					
	0					
	0					
	0					
	\$					
	0					
	0					
	0					

)DOO  
&lt;%5

'						
\$						
0						
727\$/						

'						
\$						
0						

LF NQRZOHGJH WR

' RHV 1RW 0HHW 6WDQGDUG WR  
\$SSURDFKHV 6WDQGDUG WR  
0HHWV 6WDQGDUG WR

6WRSSHG SDUWLFLSDWLQJ LQ FRXUVH  
'LG QRW VXEPLW ILQDO DUWLIDFW  
1HYHU SDUWLFLSDWHG LQ FRXUVH

'  
\$  
0  
727\$

'  
\$  
0





' RHV 1RW 0HHW 6WD	QGDUG	WR
SSURDFKHV 6WDQGDUG		WR
0HHWV 6WDQGDUG		WR

6WRSSHG SDUWLFLS	DWLQJ LQ FRXUVH
'LG QRW VXEPLW ILQ	DO DUWLIDFW
1HYHU SDUWLFLSDW	HG LQ FRXUVH

	'
	\$
	0
	727 \$/

	'
	\$
	0

## Cybersecurity Learning Outcomes Rubric

Learning Outcome	Does Not Meet Standard	Approaches Standard	Meets Standard
GradwcGr4etbm [(Gr)c problems. Solutions are incorrect, irrelevant, or demonstrate a fundam misunderstanding of th problem context.			

		but lacks thoroughness and robustness.	how to safeguard intellectual property.
<p>Graduates will be able to apply information security principles to analyze, detect and mitigate vulnerabilities and intrusions.</p>	<p>Demonstrates an inability to effectively apply information security principles. Analyses are   . . . ct, and detection of vulnerabilities and intrusions is frequently</p>		