Technology Theme Charts

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Appendix 7.1B: Technology Survey Instrument – Faculty

Table: 7.1a: Technology Standards and Objectives: Alignment with CAEP Technology Standards

EPP Standards	EPP Standards' Technology Objectives			
EPP Standards	ETT Standards Technology Objectives			
EPP Standard 1: Knowledge Goal: Candidates have a comprehensive understanding of the Liberal Arts and Sciences and Education Foundations' content, concepts and modes of inquiry and make connections among disciplines.	Objective: 1.3 Use technology proficiently and understand its potential as a tool for teaching and learning. CAEP 1.5, 3.4			
EPP Standard 2: Personal and Global Consciousness Goal: Candidates examine, deconstruct, and reconstruct their own and others' beliefs, values and perspectives to understand their own cultures and to develop empathy and acceptance towards others' cultures.	Objective: 2.3 Use technology to gain knowledge of the beliefs, values, and perspectives of their own community and communities worldwide. CAEP 1.5, 2.3			
EPP Standard 3: Analytical Ability Goal: Candidates effectively and comprehensively deconstruct texts to uncover hidden meanings, to make connections, to draw inferences and to develop multiple perspectives toward various ideas and issues.	Objective: 3.4 Use technology as a problem-solving tool to gather, organize and analyze information. CAEP 1.5, 2.1,2.3			
EPP Standard 4: Creativity Goal: Candidates conceptualize, design, and develop imaginative and innovative work.	Objective: 4.4 View technology as a path to new and effective ways of teaching and learning. CAEP 1.5, 2.1,2.3,3.4			
EPP Standard 5: Professionalism Goal: Candidates adopt a reflective practitioner stance toward teaching, learning, and collaboration with parents, colleagues and students that embraces inquiry, reciprocity and critique.	Objective: 5.3 Use technology and other media to enhance learning. Objective: 5.5 Use technology as a tool for teaching and learning. CAEP 1.5, 2.1,2.3, 3.4			

EPP 6: Effective Communication Goal: Candidates speak and write in appropriate registers depending on audiences and purposes and as a tool to share, analyze demonstrate comprehensive fluency in numeracy.	Objective: 6.2 Use technology as an efficient and innovative means of communication. CAEP 2.1, 2.3, 3.4
EPP Standard 7: Collaboration Goal: Candidates work effectively with other constituencies by seeking out others' ideas, valuing multiple points of view, and building cooperative relationships.	Objective: 7.3 Use technology and synthesize ideas. CAEP 1.5, 2.1,2.3, 3.4
EPP Standard 8: Commitment and Care Goal: Candidates practice social justice, with others, believe that all children can learn, hold high expectations themselves, and carry out sustained commitment to teaching and learning.	Objective: 8.4 Recognize technology as a source of continuous education. CAEP 1.5, 2.1,2.3, 3.4

 Table 7.1b: Candidate Performances on Technology-Related Course Activities, Fall '14- Spr '15

Couse Work Early Field/Clinical Practice	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
EDUC 102: Introduction to the World of the Learners N=142	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, Video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	46 (32%)	42(30%)	37(26%)	17(12%)
EDUC 152: Introduction to Special Education N=128	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	120(94%)	0(0%)	4(.03%)	4 (.03%)
EDUC 203: Introduction to Developmental Disabilities N=8	Case study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	5(29%)	12(71%)	0(0%)	0(0%)
EDUC 252: Principles of Early Intervention: Needs of Infants, Toddlers and Young Children with Developmental Disabilities N=20	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard. (1.5, 2.1,2.3,3.4)	15(75%)	4 (20%)	1 (5%)	0 (0%)
EDUC 350: Computers in Education	WebQuest, Assistive technology research, internet lesson plan,	Blackboard, web resources, multimedia tools, Microsoft Word	22(50%)	16(36%)	4(9%)	2(4.5%)

N=44	ePortfolio	or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)				
EDUC 302: Curriculum and Instruction in Early Childhood Education N=12	Thematic unit, teaching with technology	Smartboard, assistive technology, web resources. (1.5, 2.1,2.3,3.4)	8(66%)	4(40%)	0(0%)	0(0%)
EDUC 307: Educational Psychology N=48	Projects to scaffold the development of a learning center psychological principles Essays, applying theories to education-based scenarios.	Blackboard, videoclips, laptops, iPads, PowerPoint. (1.5, 2.1,2.3,3.4)	46 (32%)	42(30%)	37(26%)	17(12%)
EDUC 314: Teaching Elementary Social Studies N=5	Interdisciplinary unit plan	Blackboard, ePortfolio, videos, distance learning. (1.5, 2.1,2.3,3.4)	46 (32%)	42(30%)	37(26%)	17(12%)
EDUC 315: Teaching of Mathematics: N=36	Website research, Unit Plan, Modified lesson plan	Websites, ebooks, applets, video clips, assistive technology tools, Blackboard, distance learning. (1.5, 2.1,2.3,3.4)	17 (71%)	4 (29%)	0(0%)	0(0%0
EDUC 317: Teaching Science N=11	Interdisciplinary unit plan	PowerPoint, Blackboard, videoclips, videos, simulations, distance learning. (1.5, 2.1,2.3,3.4)	10 (98%)	1 (09%)	0 (0%)	0 (0%)
EDUC 311: Teaching Reading 1 N=12	Reading family project and group presentation, Reading instruction and assessment plan	Blackboard, Smartboard, PowerPoint, Web resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	4(33%)	8(67%)	0(0%)	0(0%)
EDUC 312: Teaching Reading 2 N=12	Guided Reading Lesson & Reflection	Blackboard, Smartboard, videos, PowerPoint. (1.5, 2.1,2.3,3.4)	6(50%)	6(50%)	0(0%)	0(0%)
EDUC 381: Reading Methods and Materials for Exceptional Learners N=33	Reading Intervention Plan	Blackboard, smartboard, videos, and Assistive technology. (1.5, 2.1,2.3,3.4)	8 (24%)	15 (45%)	1 (.03%)	0 (0%)

Table 7.1bi: Candidate Performances on Technology-Related Course Activities, Fall '15-Spring '16

Couse Work Early Field/Clinical Practice	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
EDUC 102: Introduction to the World of the Learners N=136	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, Video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	38(28%)	80(59%)	18(15%)	0(0%)
EDUC 152:Introduction to Special Education N=120	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	41(34%)	53(44%)	26(22%)	0(0%)
EDUC 203: Introduction to Developmental Disabilities N=17	Case study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	4(24%)	13(76%)	0(0%)	0(0%)
EDUC 252: Principles of Early Intervention: Needs of Infants, Toddlers and Young Children with Developmental Disabilities N=26	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard. (1.5, 2.1,2.3,3.4)	6(23%)	20(77%)	0(0%)	0(0%)
EDUC 350: Computers in Education N=25	WebQuest	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint, ePortfolio technology, assistive technology. (1.5, 2.1,2.3,3.4)	16(64%)	6(24%)	1(.04%)	6(24%)
EDUC 302: Curriculum and Instruction in Early Childhood Education N=12	Thematic unit, teaching with technology	Smartboard, assistive technology, web resources. (1.5, 2.1,2.3,3.4)	8(66%)	4(40%)	0(0%)	0(0%)
EDUC 307: Educational Psychology N=46	projects to scaffold the development of a learning center psychological principles Essays, applying theories to education-based scenarios.	Blackboard, videoclips, laptops, ipads, PowerPoint. (1.5, 2.1,2.3,3.4)	12(26%)	29(63%)	5(11%)	0(0%)
EDUC 311: Teaching Reading 1 N=18	Reading family project and group presentation, Reading instruction and assessment plan	Blackboard, Smartboard, PowerPoint, Web resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	4(33%)	8(67%)	0(0%)	0(0%)
EDUC 312:	Guided Reading	Blackboard, Smartboard,	6(50%)	6(50%)	0(0%)	0(0%)

Teaching Reading 2 N=18	Lesson & Reflection	videos, PowerPoint, Softchalk				
EDUC 314: Teaching Elementary Social Studies N=0	Interdisciplinary unit plan	Blackboard, ePortfolio, videos, distance learning. (1.5, 2.1,2.3,3.4)				
EDUC 315: Teaching of Mathematics: N=24	Website research, Unit Plan, Modified lesson plan	Websites, ebooks, applets, video clips, assistive technology tools, Blackboard, distance learning. (1.5, 2.1,2.3,3.4)	9(38%)	14(54%)	2(8%)	0(0%)
EDUC 317: Teaching Science N=8	Interdisciplinary unit plan	PowerPoint, Blackboard, videoclips, videos, simulations, distance learning	0(0%)	8(100%)	0(0%)	0(0%)
EDUC 381: Reading Methods and Materials for Exceptional Learners N=20	Reading intervention plan, guided reading lesson & reflection	Blackboard, Smartboard, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	5(25%)	15(75%)	0(0%)	0(0%)

 Table 7.1bii: Candidates Performances on Technology-Related Course Activities, Fall '16-Spr '17

Couse Work Early Field/Clinical Practice	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
EDUC 102: Introduction to the World of the Learners N=143	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	34(24%)	105(73%)	4(3%)	0(0%)
EDUC 152:Introduction to Special Education N=103	Case- study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos, Blackboard. (1.5, 2.1,2.3,3.4)	25(24%)	61(59%)	17(17%)	0(0%)
EDUC 203: Introduction to Developmental Disabilities N=17	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard. (1.5, 2.1,2.3,3.4)	4(24%)	11(65%)	2(11%)	0(0%)
EDUC 252: Principles of Early Intervention: Needs of Infants, Toddlers and Young Children with Developmental Disabilities N=26	Projects to scaffold the development of a learning center psychological principles Essays, applying theories to education-based scenarios.	Blackboard, webresources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	10(38%)	16(62%)	0(0%)	0(0%)
EDUC 350: Computers in Education N=79	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, videoclips, laptops, ipads, PowerPoint, website resources, assistive technology, excel program, smartboard. (1.5, 2.1,2.3,3.4)	42(53%)	20(25%)	8(10%)	9(11%)

Interdisciplinary unit plan	Blackboard, ePortfolio, videos, website resources, PowerPoint. (1.5, 2.1,2.3,3.4)	14(32%)	28(64%)	2(5%)	0(0%)
Reading family project and group presentation, Reading instruction and assessment plan	Blackboard, Smartboard, PowerPoint, Web resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	15(44%)	18(53%)	2(.05%)	0(0%)
Guided Reading Lesson & Reflection	Blackboard, Smartboard, videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4)	15(44%)	18(53%)	2(.05%)	0(0%)
Interdisciplinary unit plan	Websites, ebooks, applets, video clips, assistive technology tools, Blackboard, distance learning, ePortfolio. (1.5, 2.1,2.3,3.4)	0(0%)	13(100%)	0(0%)	0(0%)
Website research, Unit Plan, Modified lesson plan	PowerPoint, Blackboard, videoclips, videos, websites, ebooks, applets. (1.5, 2.1,2.3,3.4)	0(0%)	36(100%)	0(0%)	0(0%)
Interdisciplinary lesson plan	Blackboard, Smartboard, PowerPoint, distance learning, simulations. (1.5, 2.1,2.3,3.4)	0(0%)	8(100%)	0(0%)	0(0%)
Reading intervention project, Guided Reading Lesson & Reflection	Blackboard, Smartboard, videos, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	3(9%)	30(91%)	0(0%)	0(0%)
	unit plan Reading family project and group presentation, Reading instruction and assessment plan Guided Reading Lesson & Reflection Interdisciplinary unit plan Website research, Unit Plan, Modified lesson plan Interdisciplinary lesson plan Reading intervention project, Guided Reading Lesson	unit plan Reading family project and group presentation, Reading instruction and assessment plan Guided Reading Lesson & Reflection Interdisciplinary unit plan Website research, Unit Plan, Modified lesson plan Interdisciplinary lesson plan Reading intervention project, Guided Reading Lesson Reading intervention project, Guided Reading Lesson Reading intervention project, Guided Reading Lesson Videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Website research, Unit Plan, Modified lesson plan Videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Reading intervention project, Guided Reading Lesson	unit plan Reading family project and group presentation, Reading instruction and assessment plan Guided Reading Lesson & Reflection Interdisciplinary unit plan Website research, Unit Plan, Modified lesson plan Interdisciplinary lesson plan Reading intervention project, Guided Reading Lesson Reading intervention project, Guided Reading Lesson Reading intervention project, Guided Reading Lesson Reading family PowerPoint, (1.5, 2.1,2.3,3.4) Blackboard, Smartboard, videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Website research, Unit Plan, Modified lesson plan Reading intervention project, Guided Reading Lesson Videos, website resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4) Interdisciplinary lesson plan Videos, website resources, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Interdisciplinary lesson plan Videos, website resources, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Interdisciplinary lesson plan Videos, website resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4) Reading intervention project, Guided Reading Lesson	unit plan videos, website resources, PowerPoint. (1.5, 2.1,2.3,3.4) Reading family project and group presentation, Reading instruction and assessment plan Guided Reading Lesson & Reflection Interdisciplinary unit plan Website resources. (1.5, 2.1,2.3,3.4) Website research, Unit Plan, Modified lesson plan Interdisciplinary lesson plan Blackboard, Smartboard, videos, PowerPoint, websites, ebooks, applets. (1.5, 2.1,2.3,3.4) Blackboard, Smartboard, videos, Replets, video clips, assistive technology tools, Blackboard, distance learning, ePortfolio. (1.5, 2.1,2.3,3.4) Website research, Unit Plan, Modified lesson plan Interdisciplinary lesson plan Blackboard, Smartboard, PowerPoint, distance learning, simulations. (1.5, 2.1,2.3,3.4) Blackboard, Smartboard, videos, PowerPoint, distance learning, simulations. (1.5, 2.1,2.3,3.4) Reading intervention project, Guided Reading Lesson	unit plan videos, website resources, PowerPoint. (1.5, 2.1,2.3,3.4) Reading family project and group presentation, Reading instruction and assessment plan Guided Reading Lesson & videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Interdisciplinary unit plan Website research, Unit Plan, Modified lesson plan Interdisciplinary lesson plan Reading intervention project, Guided Reading Lesson & Blackboard, Smartboard, videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4) Reading intervention project, Guided Reading Lesson Reading Lesson Videos, websites, ebooks, applets, videoclips, videos, websites, ebooks, applets. (1.5, 2.1,2.3,3.4) Reading intervention project, Guided Reading Lesson

 Table 7.1c: Performance on Technology-Related Early Field and Clinical Activities: Fall '14-Spr '15

Couse Work Early Field/Clinical Practice	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
EDUC 501: Shadowing Professionals N=133	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, Video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	114(86%)	19(14%)		
EDUC 502: Observation in Education N=118	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	0(0%)	118(100%)	0(0%)	0(0%)
EDUC 504: Technology in classroom N=44	Teaching with WebQuest	Blackboard, videoclips, laptops, ipads, PowerPoint, website resources, assistive technology, excel program, smartboard.	42(53%)	20(25%)	8(10%)	9(11%)

		(1.5, 2.1,2.3,3.4)				
EDUC 505: Working with individual learners N=29	Case study presentation; Resource guide, teaching modified lesson	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	2(7%)	27(93%)	0(0%)	0(0%)
EDUC 506: Working with small group of learners N=27	Family Science fair, case study/guided reading lesson, lesson plan on an era or event, in New York, based on American or Global history	PowerPoint presentation tools and multimedia tools, Video, Blackboard, ePortfolio, Smartboard, distance learning. (1.5, 2.1,2.3,3.4)	0(0%)	27(100%)	0(0%)	0(0%)
EDUC 507: Curriculum research and design N=22	Memoir Project: PowerPoint presentation,	Blackboard, webresources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	0(0%)	22(100%)	0(0%)	0(0%)
EDUC 491/492: Clinical practice N=42	Interdisciplinary unit plan, videotaped lesson plan	ePortfolio, video recording, video editing, video analysis, ebooks, PowerPoint, Smartboard, website resources. (1.5, 2.1,2.3,3.4)	0(0%)	42(100%)	0(0%)	0(0%)

Table: 7.1ci: Performance on Technology-Related Early Field and Clinical Activities, Fall '15-Spr '16

Couse Work Early Field/Clinical Practice	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
EDUC 501: Shadowing Professionals N=126	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	0(0%)	120(79%)	6(.04%)	0(0%)
EDUC 502: Observation in Education N=117	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials	0(0%)	112(96%)	5(4%)	0(0%)
EDUC 504: Technology in classroom N=29	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint, ePortfolio technology, assistive technology. (1.5, 2.1,2.3,3.4)	16(64%)	6(24%)	1(.04%)	6(24%)
EDUC 505: Working with individual learners	Case study presentation; Resource guide	Blackboard, videoclips, laptops, iPads, PowerPoint. (1.5,	0(0%)	22(100%)	0(0%)	0(0%)

N=22		2.1,2.3,3.4)				
EDUC 506: Working with small group of learners N=19	Memoir Project: PowerPoint presentation, family science fair, lesson plan on an era or event, in New York, based on American or Global history	PowerPoint presentation tools and multimedia tools, Video, Blackboard, distance learning. (1.5, 2.1,2.3,3.4)	19(100%)	0(0%)	0(0%)	0(0%)
EDUC 507: Curriculum research and design N=41	Projects to scaffold the development of a learning center psychological principles Essays, applying theories to education- based scenarios.	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	0(0%)	41(100%)	0(0%)	0(0%)
EDUC 491/492: Clinical practice N=47	Interdisciplinary unit plan, Videotaping a lesson	ePortfolio, video recording, video editing, video analysis, ebooks, PowerPoint, Smartboard, website resources. (1.5, 2.1,2.3,3.4)	0(0%)	47(100%)	0(0%)	0(0%)

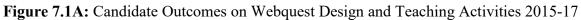
 Table 7.cii: Performance on Technology-Related Early Field and Clinical Activities: Fall '16-Spr '17

Couse Work Early Field/Clinical Practice	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
EDUC 501: Shadowing Professionals N=121	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, video clips, Smartboard, Blackboard (1.5, 2.1,2.3,3.4)	21(21%)	100(82%)	0(0%)	0(0%)
EDUC 502: Observation in Education N=101	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials (1.5, 2.1,2.3,3.4)	0(0%)	87(86%)	14(14%)	0(0%)
EDUC 504: Technology in classroom N=79	Teaching WebQuest	Blackboard, webresources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	42(53%)	20(25%)	8(10%)	9(11%)
EDUC 505: Working with individual learners N=35	Case-study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	0(0%)	35(100%)	0(0%)	0(0%)
EDUC 506: Working with small group of learners N=34	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard	0 (0%)	34(100%)	0 (0%)	0 (0%)

EDUC 507: Curriculum research and design N=14	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	0 (0%)	14(100%)	0 (0%)	0 (0%)
EDUC 491/492: Clinical practice N=32	Interdisciplinary unit plan, videotaping a lesson	Blackboard, ePortfolio, videos, distance learning (1.5, 2.1,2.3,3.4)	0 (0%)	32(100%)	0 (0%)	0 (0%)

Table: 7.1d: Overall Candidates' Outcomes on WebQuest Design and Teaching, 2015-17 \

Year	N	Unsatisfactory	Emerging	Competent	Exemplary
2015					
	44	2	4	16	22
2016	25	6	1	4	14
2017		9	8	20	42
	79				
Total	148	11.49%	8.78%	27.03%	53%



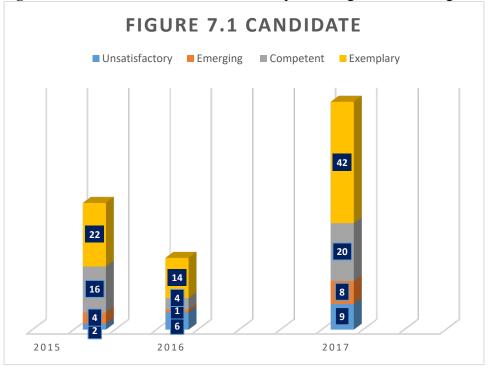
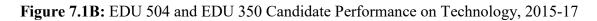


Table 7.1e: EDUC 504 and EDUC 350 Candidate Performance on Technology, 2015-17

Year	N	Unsatisfactory	Emerging	Competent	Exemplary
2015	44	0	3	15	26
2016	25	4	3	2	16
2017	79	5	12	18	44
TOTAL	148%	6.08%	12.16%	23.65%	58.11%



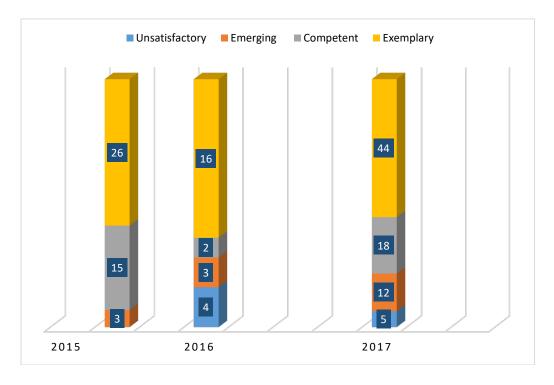


Table 7.1f: Use of Technology Tools by Faculty

Technology Tools	Purpose of Use	Percentage of Uses
Black Board and ECHO 360	Course management, assessment, data organization, instruction delivery, communication	99%
Smart Boards	Instruction delivery, surfacing website, research	99%
Power Point	Instruction delivery, presentations	100%
Website Resources	Research, assessment, enhance instruction	100%
Videos	Instruction, presentations	80%
ePortfolio	Assessment, improved teaching	30%

	and learning through reflective, integrative pedagogy	
ebooks	Instruction	40%
Simulations, Virtual Reality	To enhance instruction	40%
Excel Software	Data collection	50%
Distance Learning	Collaboration with universities and faculty beyond USA	20%
Soft Chalk	Instruction delivery	30%
Skype	Collaboration, instructional delivery	80%
Online Instruction/digital instruction and learning Technology	Instruction	40%
Cloud Based Technology	Instruction, Assessment, Data Collection Space	80%

Table: 7.1g: Use of Technology Tools by Candidates between 2015-2017

Technology Tools	Purpose of Technology Use	
Black Board	Learning, posting assignment, discussion, grade information	99%
Smart Boards	Project presentations and learning	99%
Power Point	Project presentation	80%
Website Resources	Writing research paper, getting information	99%
Videos	Projects, presentations, critical analysis	80%
ePortfolio	Showcasing achievement	80%
ebooks	For projects	40%

Simulations, Virtual Reality	For projects	20%
Excel Software	Data management (To organize students' grade, and grade point average, students' academic performance, areas of strength and improvements).	70%
Distance Learning	Learning and teaching	20%
Soft Chalk	Learning and teaching	30%
Skype	N/A	
SMARTTHINKING	Homework help	30%
Online Instruction/digital instruction and learning Technology (Workshops)	Preparation for tests and academic preparation	100%
Cloud Based Technology	Learning content, saving documents, assignment submission	80%

Table: 7.1h: Technology Performance on EPP Objectives, 2015-17

Objective/ Criterion	Year	Unsatisfactory	Emergent	Competent	Exemplary
EPP Objective:	2015	1%	0%	0%	99%
1.3	2016	1%	0%	0%	99%
	2017	1%	0%	0%	99%
EPP Objective: 2.3	2015	0%	0%	2%	98%
	2016	0%	0%	2%	98%
	2017	0%	0%	2%	98%
EPP Objective: 3.4	2015	0%	0%	2%	98%
J.T	2016	0%	0%	2%	98%
	2017	0%	0%	2%	98%
EPP Objective:	2015	0%	0%	0%	100%

4.4	2016	0%	0%	0%	100%
	2017	0%	0%	0%	100%
Objective: 5.3	2015	0%	0%	0%	100%
Objective: 5.5	2016	0%	0%	0%	100%
	2017	0%	0%	0%	100%
Objective: 6.2	2015	0%	0%	0%	100%
	2016	0%	0%	0%	100%
	2017	0%	0%	0%	100%
Objective: 7.3	2015	1%	0%	0%	99%
	2016	1%	0%	0%	99%
	2017	1%	0%	0%	99%
Objective: 8.4	2015	1%	9%	10%	80%
	2016	1%	9%	10%	89%
	2017	1%	9%	10%	89%

Table 7.1i: Candidate Performance on Technology Enhanced Lessons, 2015

Clinical Practice Experience Assessment: College Supervisor Ratings	College Supervisor	Cooperating Teacher
	2015 N= 18	
Design of learning opportunities that apply technology-enhanced instructional strategies	100% Competent	100% Competent
Implementation of curriculum plans that include methods and strategies for applying technology to maximize student learning	100% Competent	100% Competent
Application of technology to facilitate a variety of effective assessment and evaluation strategies	100% Competent	100% Competent

Table 7.1j: Candidate Performance on Technology Enhanced Lessons, 2016

Clinical Practice Experience Assessment: College Supervisor Ratings	College Supervisor	Cooperating Teacher
	2016 N= 19	
Design of learning opportunities that apply technology-enhanced instructional strategies	100% Competent	100% Competent
Implementation of curriculum plans that include methods and strategies for applying technology to maximize student learning	100% Competent	100% Competent
Application of technology to facilitate a variety of effective assessment and evaluation strategies	100% Competent	100% Competent

 Table 7.1k: Candidate Performance on Technology Enhanced Lessons, 2017

Clinical Practice Experience Assessment: College Supervisor Ratings	College Supervisor	Cooperating Teacher
	2017 N= 22	
Design of learning opportunities that apply technology-enhanced instructional strategies	100% Competent	100% Competent
Implementation of curriculum plans that include methods and strategies for applying technology to maximize student learning	100% Competent	100% Competent
Application of technology to facilitate a variety of effective assessment and evaluation strategies	100% Competent	

Table: 7.11: Use of Technology by Clinical Practice Students, 2015-17

Technology Tools Used During Clinical Practice For Teaching

* 7	3.7	3.7	C 1 1			77'1 /	XX 7 1 1.	ъ 1	- B
Year	N=	No	Smartboard	PowerPoint	Laptops	Videos/	Website	eBooks	Virtual
		Tech				Videoclips	Resources		Manipulative
						raccomps	11000001000		Trianing and tri
		tools							
2017-	34	5	7	3	2.	8	7	2.	0
			,		_	0	,		
2016	23	4	6	2	1	5	2	2	1
2010	23	т —	U		1	3			1
2015	16	0	4	4		4	1	1	1
2013	10	U	4	4		4	1	1	1

Table 7.1m: Rubric Used to Evaluate Candidates' Use of Technology in Student Teaching

Standard 3.5: Communication to Foster Collaboration	Unsatisfactory: SCORE 0 Grade Range: D/F (60-69)	Emerging: SCORE 1 Grade Range: C/C+	Competent: SCORE 2 Grade Range: B- /B/B+	Exemplary: SCORE 3 Grade Range: A-/A (90-100)
	` /	(70-79)	(80-89)	
Candidates use various media and technological tools to enhance and enrich learning.	Candidates' lessons do not meet required ACEI Standard 3.5 element.	Candidates' lessons use basic communication tools – overhead projectors, tape recorders – to aid in their teaching.	Candidates create effective and creative power point presentations for their lessons. They use some innovative technology – computer cameras and webcams – when available to enhance children's learning.	Candidates create lessons that integrate the use of technology for teaching, i.e., power point presentations and interactive video programs. They engage children in using a variety of media and technology learning tools, like Webquests, Skype, and creating videos in response to assignments, that both enrich and enhance children's engagement in learning and acquisition of content knowledge.

Table 7.1n: Summary of Special Education Candidates' Use of Technology in Clinical Practice 2015-17

Dimension/Rubric Element	N	Exemplary	Competent	Emerging	Unsatisfactory
PLANNING RUBRIC	Term				
Planning and designing innovative learning experiences: Special education candidate uses an understanding of	N=12 FA 14	4	6	2	0
developmentally appropriate learning practices and evidence- based instructional strategies, including Response to Intervention (RTI), Positive Behavioral Support (PBS), environmental routines, individual and cooperative projects, inquiry experiences and systematic instruction to enhance critical thinking, problem solving and performance skills. Plan emphasizes the importance of	15	7	4	1	0
learning experiences on the development, maintenance, and generalization across settings and over time for students with ELN. Candidate identifies sources of	N=14 FA 15	5	8	1	0
specialized materials, curricula, resources and includes strategies for integrating student initiated learning experiences into instruction and adaptations and technology for students with ELN. [CEC Initial Preparation Standard 3 - Curricular Content Knowledge: 3.1, 3.2]	SP 16	7	6	1	0

INTASC Standard 7 – Planning for Instruction and Standard 5 – Application of Content]	N=5 FA 16	3	2	0	0
	SP 17	2	1	2	0
Instructional Planning Methods: Special education candidate demonstrates understanding of how best to teach, and is guided by individualized decision- making and instruction to create and select teaching methods, activities and materials that are aligned with NY State Learning Standards in the general curriculum and emphasizes adaptations, including accommodations and					
modifications for students with ELN. Candidate discusses theories and research that form the basis of curriculum development and instructional practice, the scope and sequence of general and special education curricula, and the NY curricular standards addressed in the lesson. Candidate incorporates behavior management with academic instruction and identifies the roles and	N=14 FA 15 SP 16	5	7 6	2	0

responsibilities of cooperating teachers and support staff in instruction, intervention and	N=5 FA 16	2	3	0	0
direct service. Technology Enhanced Instruction: Special education candidate designs developmentally appropriate learning opportunities that apply technology enhanced instruction and makes provisions for the use	SP 17	1	3	1	0
of assistive technology, alternative and augmentative communication strategies and devices to support the diverse needs of learners with ELN.	N=12				
[CEC Initial Preparation Standard 3 - Curricular Content Knowledge: 3.3] [INTASC Standard 7: Planning	FA 14 SP	6	5	1	0
for Instruction]	15				
	N=12 FA 14	7	4	1	0
	SP 15	8	4	0	0

	N=14 FA 15	7	5	2	0
	SP 16	8	5	1	0
	N=5 FA 16	3	1	1	0
	SP 17	1	2	2	0
Teaching Learners with Diverse Needs: Special education	N=12	_	_		
candidate recognizes the unique characteristics of students with exceptional learning needs and	FA 14 SP	6	5	1	0
provides the support, [including augmentative and assistive technology] to encourage individual students' development, acquisition of	15	6	6	0	0
knowledge, and motivation. [CEC Initial Preparation	N=14 FA 15	5	8	1	0
Standard 1 - Learner Development and Individual	SP	3	o	1	U
Learning Differences: 1.1, 1.2] INTASC Standard 2 – Learning Differences: 2(a)]	16	5	9	0	0

	N=5 FA 16	2	2	1	0
	SP		_		
	17	2	2	1	0
Using Effective Strategies to	N=12				
Promote Active Engagement in Learning: Special education candidate understands individual	FA 14	7	5	0	0
and group motivation and behavior, and selects, adapts, and	SP 15	6	5	1	0
uses instructional strategies and materials, including research- supported methods for academic	13	Ü	3	1	v
and nonacademic instruction. Candidate further identifies and	N=14				
teaches basic structures and relationships within and across	FA 15	5	9	0	0
curricula. Technology Enhanced	SP				
Instruction: Special education candidate implements curriculum content using	16	5	9	0	0
developmentally appropriate adaptations and technology for	N=5 FA				
all individuals with exceptional learning needs [CEC Initial	16	2	2	1	0
Preparation Standard 5- Instructional Planning and	SP 17	1	3	1	0
Strategies: 5.1, 5.2, 5.3] [INTASC Standard 8 – Instructional Strategies: 8(a)]					
Using Effective Instructional Plans: Special education					
candidate identifies and prioritizes areas of the general	N=14				
curriculum, makes accommodations for individuals	FA 15	6	6	2	0
with exceptional learning needs, selects and uses specialized instructional strategies	SP 16	6	6	2	0
appropriate to the abilities and needs of the students and	10	Ů	Ů		V
incorporates and implements instructional and assistive	N=5 FA				
technology into the lesson.	16	3	1	1	0
Candidate prepares and organizes materials to implement	SP 17	1	3	1	0
daily lesson plans, uses	1/	•		•	v

instructional time effectively, implements individualized reinforcement systems and environmental modifications at levels equal to the intensity of students' behaviors. Candidate makes responsive adjustments to instruction based on continual observations, and evaluates and modifies	N=12 FA 14 SP 15	6	5	2	0
instructional practices in response to ongoing assessment data.					
[CEC Initial Preparation Standard 3 - Curricular Content Knowledge: 3.2, 3.3] [INTASC Standard 4 - Content Knowledge: 4(f)] [INTASC Standard 7: Planning for Instruction: 7(a)]					
Mathematics Rubric	N=12				
Use appropriate adaptations and technology for all individuals	FA 14	6	6	0	0
with exceptional learning needs	SP 15	6	5	1	0
	N=14 FA 15	5	6	3	0
	SP 16	5	7	2	0
	N= 5 FA 16	2	3	0	0
	SP 17	2	3	0	0
Use task analysis approaches [including technology] to solve mathematical problems	N= 12	6	4	2	0
	FA 14 SP 15	6	6	0	0

N=14 FA 15	5	7	2	0
SP 16 N=5	5	7	2	0
FA 16 SP 17	2 2	2 2	1	0

Appendix 7.1A: Technology Survey Instrument - Clinical Practice Candidates

Appendix 7.1A: Technology Survey Instrument - Clinical Practice Candidates Technology Tools/Resources Using for Instruction Using For Require your						
in Clinical Practice	Certification	Students to use				
Classrooms	Purposes					
1	I					
	Using for Instruction in Clinical Practice	Using for Instruction in Clinical Practice Using For Certification				

Appendix 7.1B: Technology Survey Instrument- Faculty

Appendix 7.1B: Technology Survey Instrument- Faculty Technology Tools/Resources Using for Instruction in Require		
	Require Students/Candidates	
your courses	to use	
	Using for Instruction in your Courses	