



CCEA

Competencies, Characteristics, Experiences, and Abilities 2022

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Rider Choices
Motorcycle Rider Education, Research and Consulting

Context



- In 2005 Dr. Raymond J. Ochs of the MSF surveyed Instructor Trainers to elicit their views on CCEA, establishing the initial list of perceived “Attributes” deemed valuable for selection in profession.
- The list of 40 CCEA was compiled using literature of that period. These Items help to differentiate the perception of administrators and trainers on the topic.
- Revisiting the research gives us an opportunity to compare 2005 to the modern view of the same topic 15 years later.

Literature



- 1) The Instructor Guide and Chief Instructor Guide for the Motorcycle *RiderCourse* (MRC) released in 1976.
- 2) The Instructor and Chief Instructor Guide for the *Motorcycle RiderCourse: Riding and Street Skills* (MRC:RSS) released in 1986.
- 3) The RiderCoach Guide and RiderCoach Trainers Guide for the Basic *RiderCourse* released in 2001.
- 4) The RiderCoach Trainer Certification materials developed for the MSF Rider Education and Training System.
- 5) Results of an MSF survey of RiderCoach Trainers conducted in 2005.

40 CCEA's in Literature



Personal	Rider	<u>RiderCoach:</u> Curriculum	<u>RiderCoach Trainer:</u> Curriculum	Professional
Possess character, competence, and leadership skills	Wear an appropriate helmet when riding	Evaluate and coach effectively	Ability to teach others to evaluate and coach	Understand safety and risk management principles
Maintain good human relationships	Make and apply safe riding decisions	Diagnose problems and determine remedial activities	Use RCG/RCTG effectively	Understand teaching/learning dynamics
	Wear full protective attire when riding	Use range cards effectively	Conduct peer teaching effectively	Understand motor skills principles
	Handle a motorcycle as a rider	Facilitate group activities	Screen candidates	Maintain professional development
	Know motorcycle dynamics	Conduct simulated practice activities properly	Conduct quality assurance effectively	Determine instructional objectives for the range
	Possess motorcycle maintenance skills	Conduct skill test proficiently	Schedule peer and student teaching effectively	Determine instructional objectives for the classroom
	Affiliate with motorcycle organizations	Use instructional aids well	Construct efficient schedule	Collaborate with program administrators
	Have completed a track course or school	Keep records accurately		Prepare lesson plans
				Understand MSF RETS
				Analyze and interpret skill test scores
				Analyze and interpret written test scores
				Know motorcycle research
				Possess CPR/First Aid skills
				Be adept at public relations
				Design ranges

40 CCEA's in Rider Subtasks



Cognitive	Social	Emotional	Physical
Make and apply safe riding decisions	Possess character, competence, and leadership skills	Evaluate and coach effectively	Understand motor skills principles
Construct efficient schedule	Conduct peer teaching effectively	Diagnose problems and determine remedial activities	Conduct simulated practice activities properly
Understand safety and risk management principles	Screen candidates	Use range cards effectively	Have completed a track course or school
Understand teaching/learning dynamics	Be adept at public relations	Conduct skill test proficiently	Handle a motorcycle as a rider
Analyze and interpret written test scores	Affiliate with motorcycle organizations		Use instructional aids well
Maintain professional development	Collaborate with program administrators		Design ranges
Determine instructional objectives for the range	Maintain good human relationships		Wear full protective attire when riding
Determine instructional objectives for the classroom	Facilitate group activities		Wear an appropriate helmet when riding
Conduct quality assurance effectively	Ability to teach others to evaluate and coach		Know motorcycle dynamics
Prepare lesson plans	Schedule peer and student teaching effectively		Possess motorcycle maintenance skills
Understand MSF RETS			
Analyze and interpret skill test scores			
Know motorcycle research			
Possess CPR/First Aid skills			
Keep records accurately			
Use RCG/RCTG effectively			

Problem Explained



Instructors require the appropriate Competencies, Characteristics, Experiences, and Abilities (CCEA) necessary to ensure the system supports student learning.

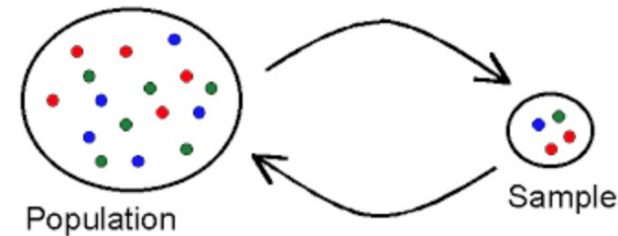
“The Human Element”

Learning defined: Attaining new knowledge, understanding, skills, attitudes, and behaviors.

2005 Participants



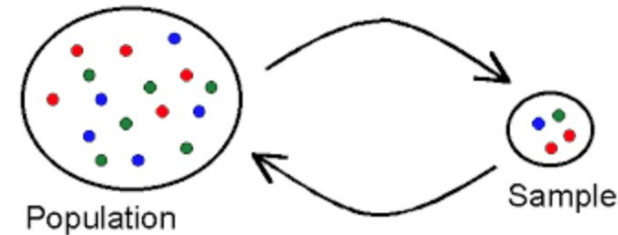
- A population of 215 RiderCoach Trainers/Chief Instructors were asked to voluntarily order rank the 40 CCEA's.
- A sample of 32 respondents representing 14.9% of the population.
- At the time there were over 7000 MSF Certified RiderCoaches/Instructors.



2020 Participants



- A population of 210 Active RiderCoach Trainers/Chief Instructors was asked to voluntarily order rank the 40 CCEA's. 189 RiderCoach Trainers/Chief Instructors were reachable through electronic mail and telephone
- A Sample of 34 respondents representing 17.9% of the population.
- Currently, there are over 5000 MSF Certified RiderCoaches/Instructors.





2020 Demographics



- The average participant is a middle-aged white male with a bachelor's degree and 35 years of motorcycling experience, 20 years of instructor experience and 15 years of instructor trainer experience.
- Most experience 41 years as trainer, least experience was two years.
- The oldest was 77 years old, and the youngest was 28. 80% was male and 20% female.
- 85.8% was White, 2.8% Hispanic, 2.8 percent Black/African American, and the rest preferred not to share.

Method



A descriptive data analysis used rank order scaling with a weighted relative frequency of the 40 potential answers against the 34 individual responses.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1	25	38	25	17	25	38	30	12	30	25	20	12	25	25	25	38	25	12	25	25	25	20	25	38	7	25	30	12	12	25	39	12	25
2	35	25	38	25	15	25	33	5	25	15	6	17	38	15	19	15	2	19	30	38	38	21	30	25	15	23	38	22	15	39	15	19	38
3	38	30	15	35	5	39	32	18	12	18	31	15	9	16	20	16	19	22	15	18	17	10	19	32	16	18	15	19	17	15	17	17	20
4	12	5	16	15	8	17	17	19	19	35	25	16	30	17	30	17	20	33	17	15	15	17	32	30	17	15	16	15	16	19	16	21	39
5	18	19	17	20	16	16	2	15	38	12	39	19	33	20	21	19	38	32	16	16	16	27	33	33	30	12	17	6	22	16	14	20	15
6	19	12	35	21	39	15	1	16	15	16	2	5	32	33	33	12	5	5	1	12	18	35	34	34	20	7	5	9	25	18	34	27	1
7	15	17	19	12	1	20	35	17	16	32	1	22	12	32	15	20	18	15	2	5	12	32	20	15	25	35	18	33	24	17	31	38	2

2020 Results



Highest Rated CCEA's

- 1) Understand Teaching/Learning Dynamics.
- 2) Possess Character, Competence, and Leadership Skills.
- 3) Understand safety and risk management principles.
- 4) Understand motor skills principles.
- 5) Ability to teach others to evaluate and coach.



Lowest Rated CCEA's

- 40) Have Completed a Track Course or School.
- 39) Design Ranges.
- 38) Affiliate with Motorcycle Organizations.
- 37) Possess Motorcycle Maintenance Skills.
- 36) Be Adept at Public Relations.

Learning defined: Attaining new knowledge, understanding, skills, attitudes, and behaviors.

Results Comparison



Highest Rated 2005

- 1) Possess Character, Competence, and Leadership Skills.
- 2) Ability to Teach Others to Evaluate and Coach.
- 3) **Evaluate and Coach Effectively.**
- 4) Understand Safety and Risk Management Principles.
- 5) Understand Teaching/Learning Dynamics.



Highest Rated 2020

- 1) **Understand Teaching/Learning Dynamics.**
- 2) Possess Character, Competence, and Leadership Skills.
- 3) Understand safety and risk management principles.
- 4) **Understand motor skills principles.**
- 5) Ability to teach others to evaluate and coach.

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Results Comparison



Lowest Rated 2005

- 40) Have Completed a Track Course or School.
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Lowest Rated 2020

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Significant Findings



- There was very little difference between the 2005 and 2020 surveys showing that overall perceptions have not changed.
- 87.5 percent of the answers were within five places of the previous survey. 22.5 percent did not change at all.
- “Conduct Skill Test Proficiently” decreased by 9 positions. (FIM)
- “Screen Candidates” declined by 11 positions.
- “Understand MSF Rider Education Training Systems” Increased by 14 positions.



Post Research - Survey



A population of 189 Active RiderCoach Trainers/Chief Instructors was asked to participate voluntarily in a follow-up survey.

There were 44 respondents representing 25.3% of the population.

Q1: Why did you NOT participate in the RCT research?

- 19% Time Constraints
- 13% Were not aware
- 65% said they participated – only 45.8% actually did.

Q2: Why DID you participate in the research?

- 67% Better the community
- 30.7% Stated they participated when they did not
- 6% I Participated in 2005, wanted to see what has changed

Q3: Are you interested in the results of the research?

- 2% Neutral, 96% yes



Discussion



- Aggregate collaboration provides acceptance
- Points of disagreement and agreement are neutralized and averaged
- Decrease in community and social aspects of instructor interactions
- Dissonance of answers: 30.7% Instructor Trainers Stated they participated when they did not



Conclusion



- More questions than answers
- Baseline to continue in the instructor selection process (need more contemporary CCEA)
- Responses are a representation of the current instructor trainer culture
- Another sample of the instructor population may be helpful to see if there is any consistency
- Identifies Human Elements as a key component of the system

Contact Info

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