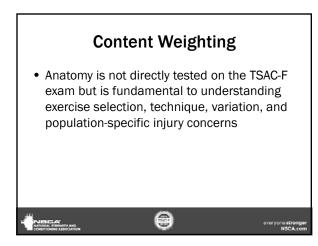
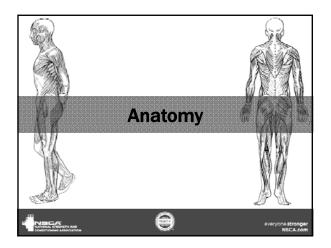


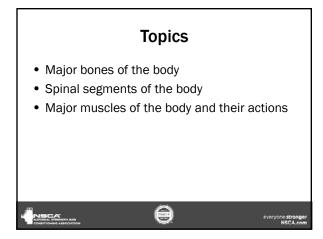


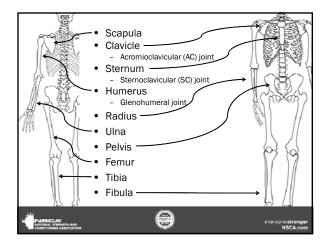
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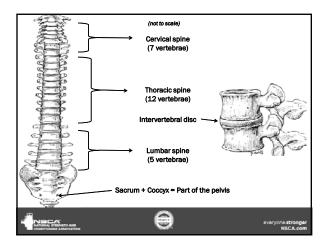




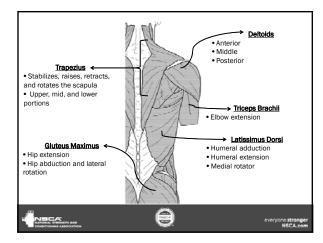




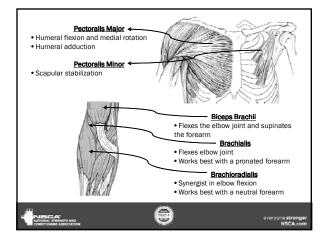


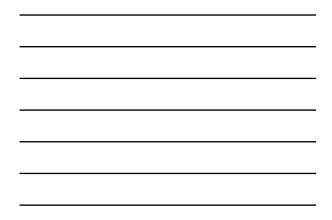


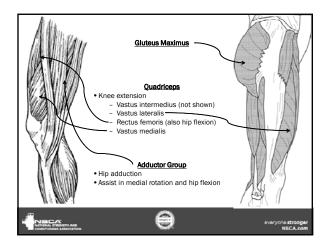




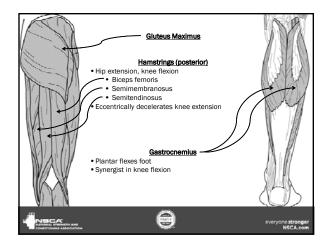




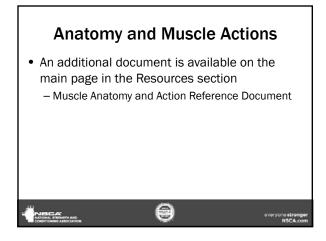


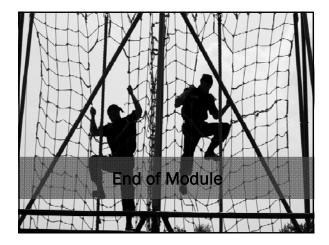




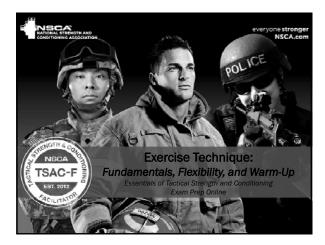














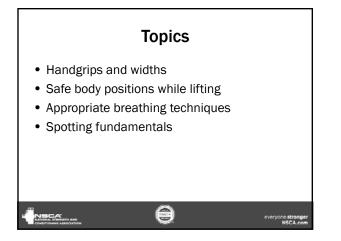
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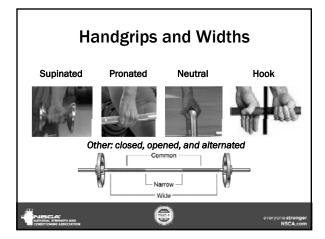
Content Weig	htir	ng		
Exercise Technique Topic Areas	RE	AP	AN	Total
Warm-Up	0	2	0	2
Flexibility Technique	1	2	0	3
Total	1	4	0	5
10131	T	4	0	5
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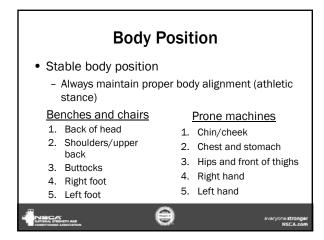












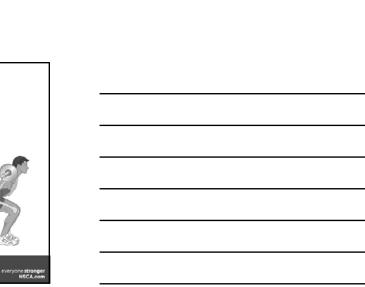
Breathing

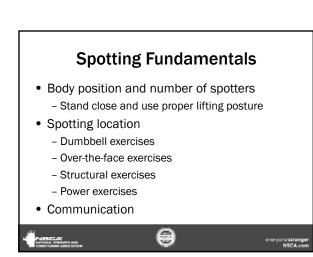
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• Exhale through the sticking point

• Valsalva maneuver

· Weight belts

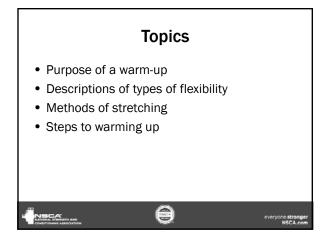


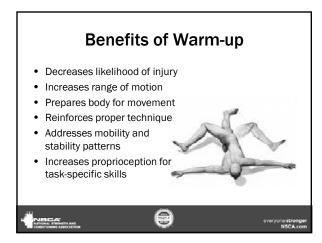


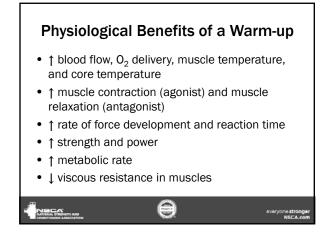
Module 3.1 - 3

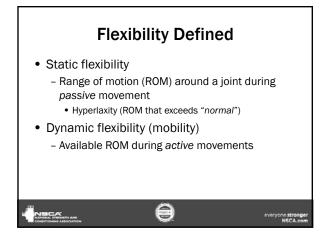


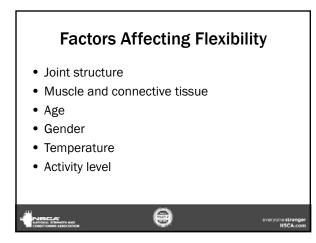


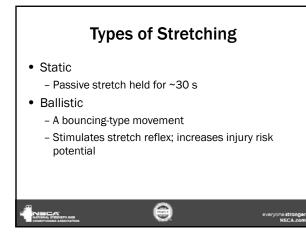












Types of Stretching

• Dynamic

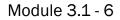
- Emphasizes functional movements
- Proprioceptive Neuromuscular Facilitation (PNF)

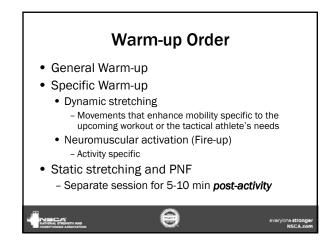
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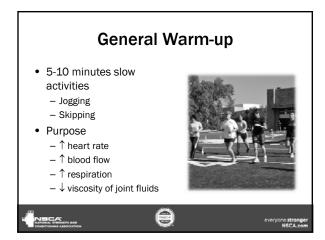
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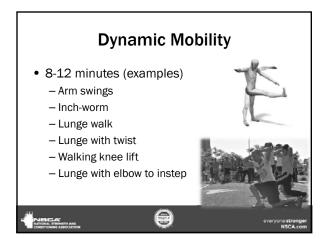
- Muscle actions used to facilitate passive stretching
- Stimulates Golgi tendon organ (GTO)

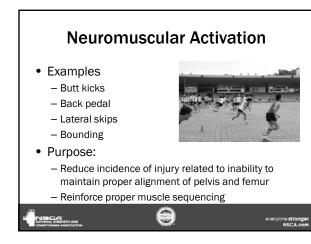
Warm-up Progression 1. Gradually increase intensity (without causing fatigue) 2. Light activity to increase core temperature 3. Activation 4. Mobility 5. Dynamic flexibility 6. Technique / workout specific warm-up 7. Nervous system activation

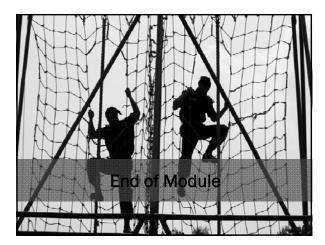


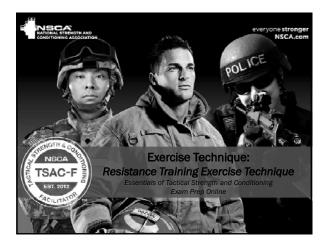




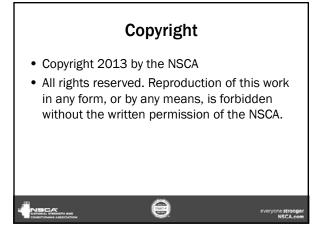


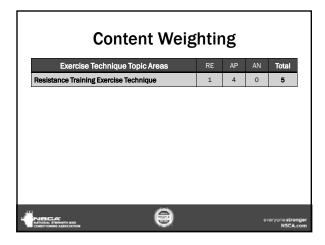




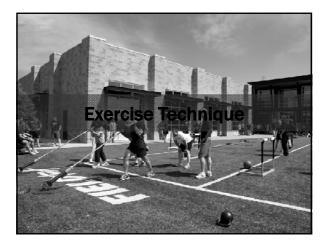




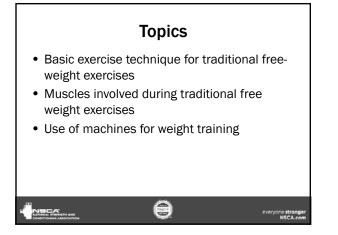


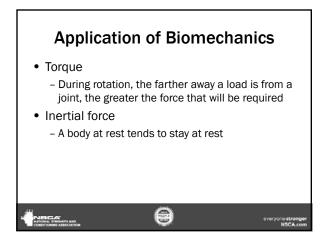


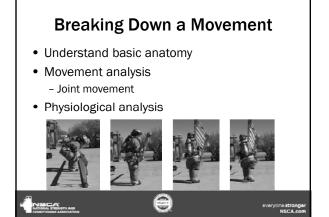


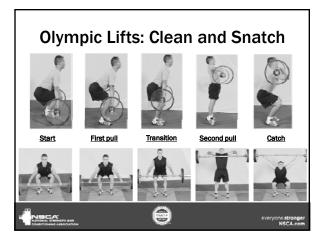


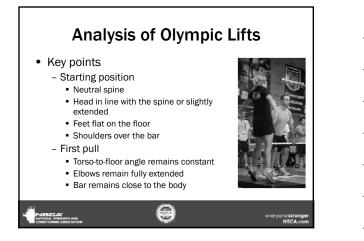


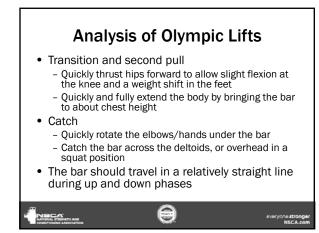


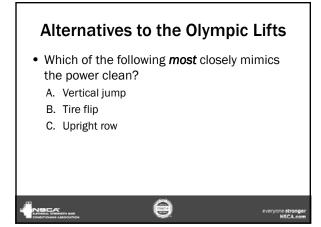






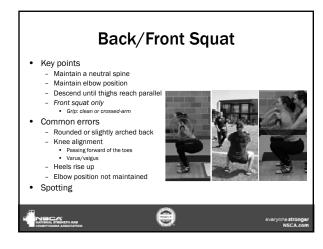


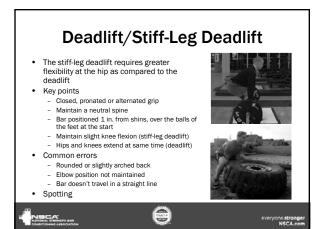


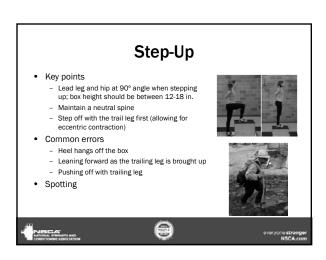


Exercise	Concentric Action	Muscle Group	Primary Muscle Involvement		
Front squat	Hip extension	Gluteals	Gluteus maximus		
		Hamstrings	Hamstrings		
	Knee extension	Quadriceps	Quadriceps		
Back squat	Hip extension	Gluteals	Gluteus maximus		
		Hamstrings	Hamstrings		
	Knee extension	Quadriceps	Quadriceps		
Deadlift	Same as front and back squat				
Stiff-leg deadlift	Hip extension	Hamstrings and gluteals	Hamstrings and gluteus maximus		
	Spinal extension	Spinal erectors	Erector spinae		
Good morning	Same as stiff-leg	deadlift	-		









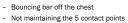
Exercise	Concentric Action	Muscle Group	Primary Muscle	
Barbell bench press	Shoulder, transverse (horizontal) adduction	Chest	Pectoralis major	
		Shoulders	Anterior deltoid	
	Scapular protraction (abd.), elbow extension	Scapulae, chest, upper arm (posterior)	Serratus anterior, pectoralis minor, triceps brachii	
Bent-over row	Scapular retraction	Upper, middle back	Middle trapezius Rhombolds	
	Shoulder extension	Back	Latissimus dorsi, teres major	
		Shoulders	Posterior deltoid	
	Elbow flexion	Upper arm (anterior)	Brachialis, biceps brachli, brachioradialis	
Seated barbeli shoulder press	Shoulder abduction	Shoulders	Anterior and medial deltoids	
	Scapular protraction (abduction)	Upper shoulders and upper back	Trapezius	
		Scapulae	Serratus anterior	
	Elbow extension	Upper arm (posterior)	Triceps brachii	

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Barbell Bench Press Key Points - Maintain the 5-point body contact position

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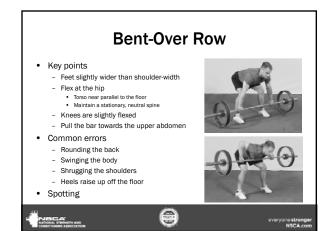
- Grasp the bar slightly wider than shoulder-
- width Lightly touch the chest at approximately nipple level
- Common errors

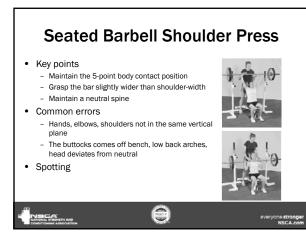


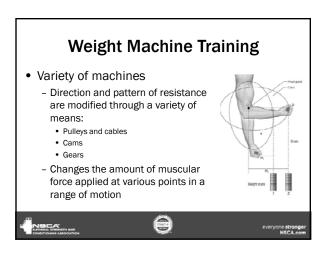
- Lifting the buttocks off the bench
 Lifting the head off the bench
- Arching the lumbar spine
- Spotting

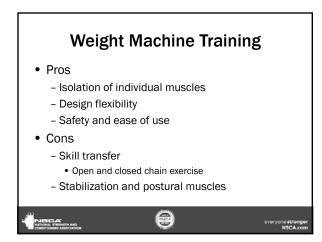


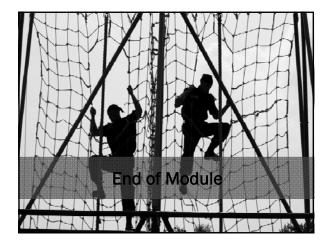
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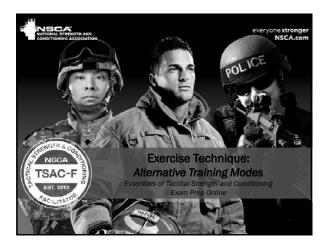




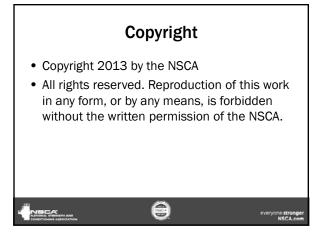


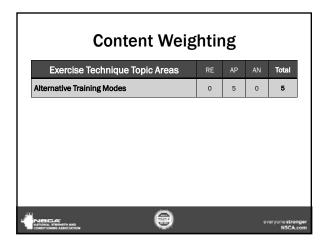














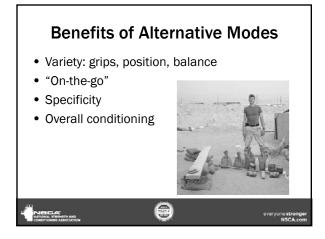




Topics

- Identification of alternative exercises for training tactical populations
- Key points to selection and use of alternative exercises

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Alternative Training Equipment

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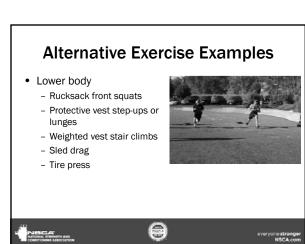
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- In the field/on the job
 - Hoses
 - SCBAs/air tanks
 - Sandbags
 - Vests

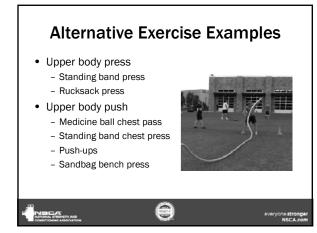
- Rucksacks
- Flak jacket



- Ammunition cans



Module 3.3 - 3



Alternative Exercise Examples

- Upper body pull
 - Rope climbs
 - Suspension bodyweight rowsAmmo can bent-over row
 - Sled pulls



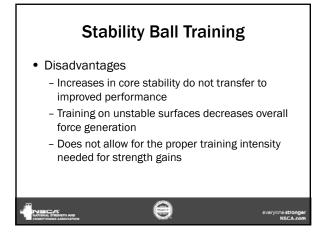
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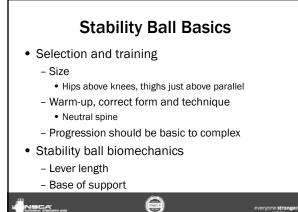
Stability Ball Training

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- Benefits are inconclusive
- Advantages

- May increase core stability
- Decreased injuries due to improved balance, joint stability, proprioception, and neuromuscular control
- May increase the degree of training specificity





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