

## Performance Rigging Fundamentals Course

### Purpose of Course

This demanding course orients aspiring riggers and performers to the rigging systems common to Vancouver's motion picture industry for flying or motivating objects and performers and; the tools, materials, techniques, terminology and industry best practices to efficiently **engineer**, assemble, operate and strike such rigging systems in accordance with the WCB Act and the applicable Regulation and Guidelines. Participants can expect to manage a lot of information.

### Course Description

This course is comprised of 40 hours of intensive indoor training over five days, is limited to a maximum of 8 participants and will orient participants to the following;

Governance for Performance Rigging in the BC motion picture workplace including;

- Authorities having jurisdiction and relevant legislation
- Rights and obligations of Employers, Supervisors & Workers
- Key roles and responsibilities for performance rigging with an emphasis on Supervisor responsibilities.
- Applicable equipment standards, inspection requirements and procedures.

Workplace planning, efficient system layout and collaboration with other departments and workers.

Hazard/Risk Assessment and management per OHS requirements including Job Hazard Analysis (JHA) and appropriate application of the Hierarchy of Hazard Controls.

Fall Prevention training using Fall Restraint and appropriate application of the Hierarchy of Fall Protection.

Common Performance Rigging tools, equipment, materials and terminology.

Performance Rigging system **engineering** including; anticipated working loads, required safety margins and design factors, system design, material properties and capacity, **failure mode analysis**, (compound forces) and **force limiting**.

Correct command, control and communications during Performance Rigging operations and filming.

### Course Outcomes

This is an Awareness Level Course with an emphasis on understanding legislated requirements and system engineering and does not qualify participants as Performance Riggers per se.

Successful participants are able to identify and describe common Performance Rigging tasks, tools, equipment, procedures, rigging safety fundamentals and competencies and gain further training and experience assisting under qualified rigging supervisors.

This course emphasizes self and peer assessment as well as instructor assessment.

Participants are provided a rubric based skills assessment checklist as a personal training record and a Certificate of Successful Completion of Training in Performance Rigging Fundamentals as well as a separate certificate for Fall Prevention Training

### Course Prerequisites

This course is intend to benefit experienced and aspiring riggers and performers involved in rigging for live performance and motion picture and is crafted specifically for working members of UBCP/ACTRA/(SAG) and the IATSE 891 SPFX/Rigging Grip Departments.

Participants have had basic training in workplace OH&S, Fall Protection and Mobile Equipment operation

Participants should have set experience, advanced work at heights training and skills and be adept with common knots, hitches and bends particularly the figure eight family, bowline, clove hitch, blocked munter hitch, double fisherman and three wrap prusik.

Prior rope access, rope rescue or guide's training and adept rope handling skills are highly recommended. Those with such skills will find this course challenging and those without will probably feel overwhelmed.

Pacific High Rigging & Safety two day Work at Heights Fundamentals will refresh experienced practitioners skills and orient those with limited training and experience to the required skills for this course.

### Course Registration

Please call Perry Beckham directly to register; cell, 604 816 4281, e mail, [pbeckham@shaw.ca](mailto:pbeckham@shaw.ca)  
Participants will be required to provide a scan or phot of an initial copy of the Assumption of Risk and Waiver of Liability to register for the course.  
Payment of \$1000 plus 5% GST in full by e transfer is required in advance to secure a place.  
Cancellation within two weeks will cost 50% of the course fee and cancellation within one week 100%.

### Course Dates & Location

March 4-8, March 25-29, April 15-19  
Riggit Services, 8021 Enterprise Street, Burnaby BC, V5A 1V5, (604) 696 1481

### Course Online and Printed Reference Materials

**Please load the Worksafe App onto your phone and or tablet and familiarize yourself with the App as we will be referencing this information throughout the course.**

**Carefully read** Parts 21, 22, 23 (General Duties of Employers, Workers and Others) in the WCB Act and Parts 11 (Fall Protection), 15 (Rigging), 34 (Rope Access) in the OH&S Regulation and Guideline 11 (Fall Protection During Stunt Work) in particular as these are the rigging safety standards for the course.

Also read **ActSafe Bulletin #14 Performer Flying and Aerial Stunts**

Bluewater/New England Rope website  
Petzl website  
Samson Ropes website  
National Cordage Institute website  
Crosby Equipment website and Riggers Users Guide for Lifting  
Wesco Industries website (and store)  
Wichard website (connecting hardware)  
National Telephone Nicopress printed manuals and swaging guides  
Hilti website  
Simpson Strong Tie website  
Harry Donovan Rigging Handbook

### Housekeeping

Punctuality, attendance of the whole course and professionalism is expected so please arrive early enough to be able to start at 08:00 sharp. (If we're not 10 minutes early we're 10 minutes late!)  
Please don't use Riggit's dedicated parking stalls.

Please enter the building through the door right of the roll up doors and avoid going through the main office. There are no restaurants nearby so bring your own lunch, snacks and beverages for on site breaks. We may not use Riggit's lunch kitchen.

Wear suitable comfortable clothing for warm indoor work and bring gloves, wear safety toes, bring safety glasses and bring a note pad, some graph paper and coloured pens for rigging diagrams.  
Having your own splicing fids and C7 Felco cutters is advantageous.