**Lecture 10: Twill Weave**

**Zigzag & Herring Bone Design**

**Features of Zigzag Twill:**

* Zigzag twill is achieved by reversing the direction of the twill weave at suitable intervals.
* A point is created in reversing point. So, it is sometimes referred to as *Pointed Twill*.
* Uses: Figured or ornamented design, Upholstery, Wall covering etc.

**Classification of Zigzag Twill:**

* Horizontal Zigzag
* Vertical Zigzag

**Features of Horizontal Zigzag:**

* The number of warp yarn is double to the number of weft yarn in the repeat.
* Point draft is used for this design.

**Features of Vertical Zigzag:**

* The number of weft yarn is double to the number of warp yarn in the repeat.
* Straight draft is used for this weave.

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|  | x | x | x |  |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  | x | x |  |  | x |  |  |  |  |
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|  | x |  |  | x | x | x |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  |  |
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|  |  |  |  | Weave Plan | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  |  |
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|  |  | 3 |  |  | Horizontal Zig-zag | | | | | | |  |  |  |  |  |  |  |  |  | x | x |  |  | x |  |  |  |  |
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**Features of Herring Bone Design:**

* This twill shows an appearance of *Herring Bone*.
* It has the similarity with the zigzag twill up to half of the repeat, but while changing the direction the interlacement becomes quite opposite to that of the zigzag twill.
* Normally *Straight draft* is used.
* Uses: Suiting, over coating, ornamented fabrics.

**Types of Herring Bone Design:**

* Horizontal Herring Bone.
* Vertical Herring Bone.

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|  |  |  | x | x | x |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  | x |  |  |  | x |  |  |  |  |
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| 3 |  | Horizontal Herringbone | | | | | | | | |  |  |  |  |  |  |  |  |  | # |  |  |  |  |  |  |  |  |  |
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